

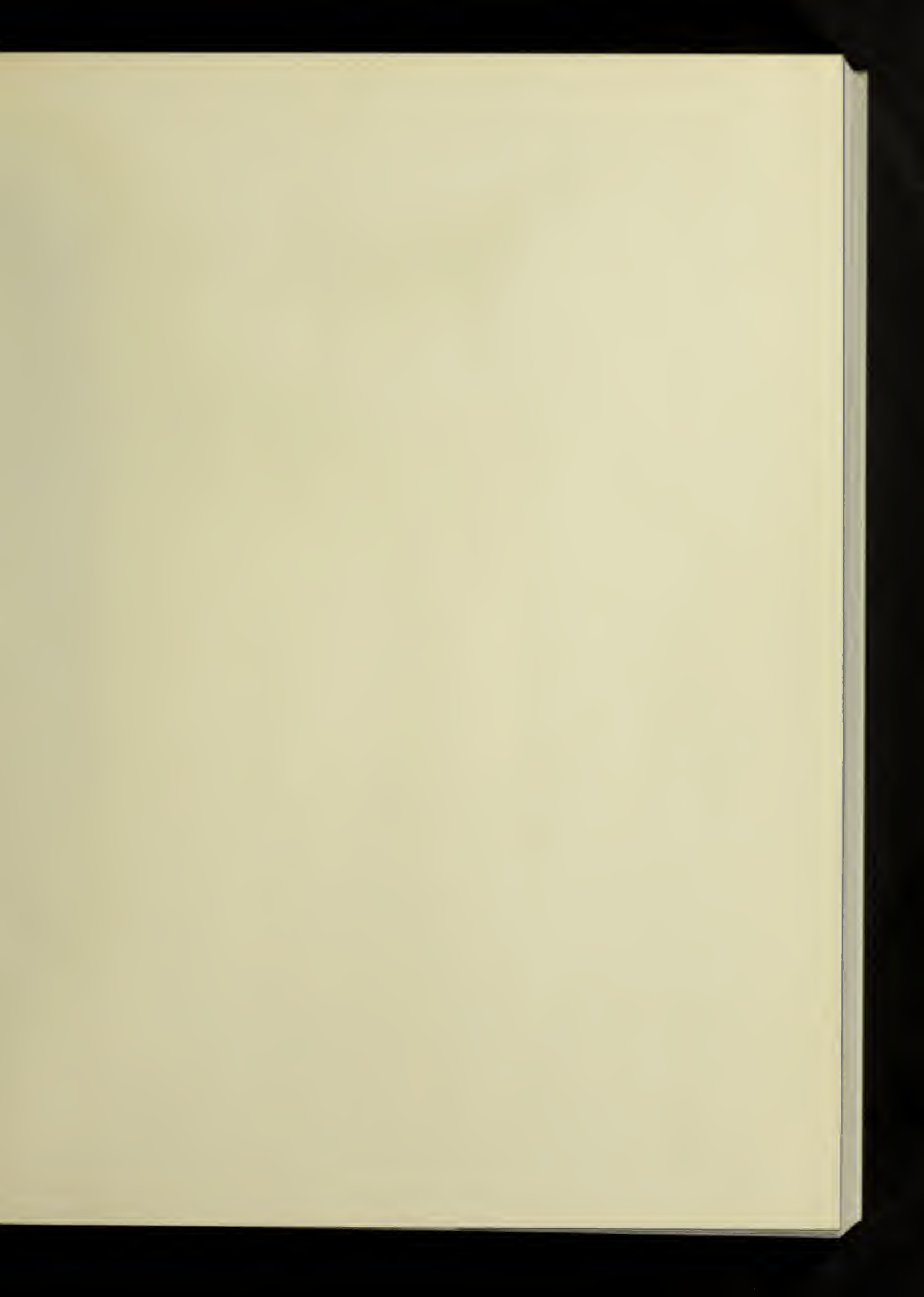


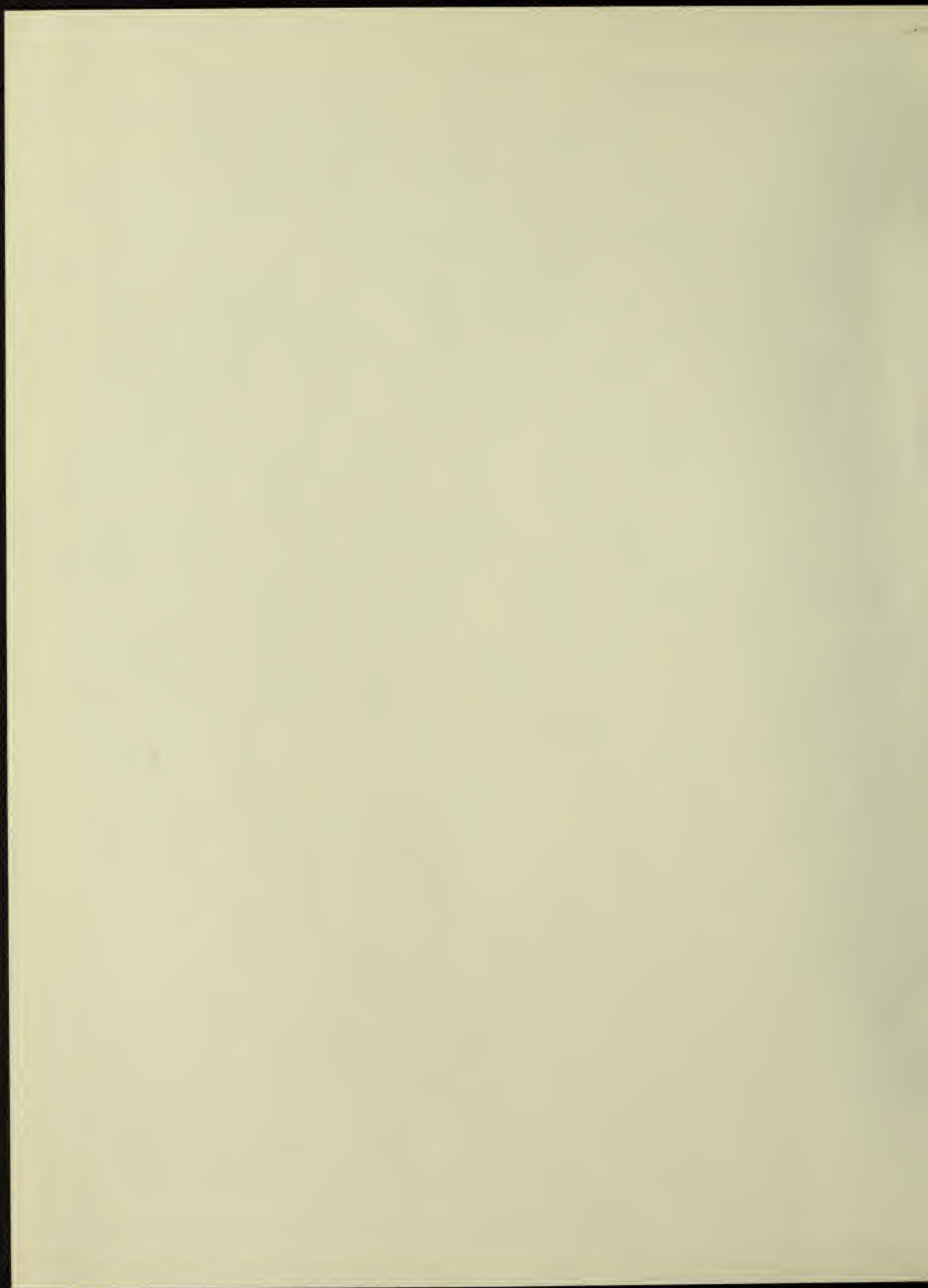
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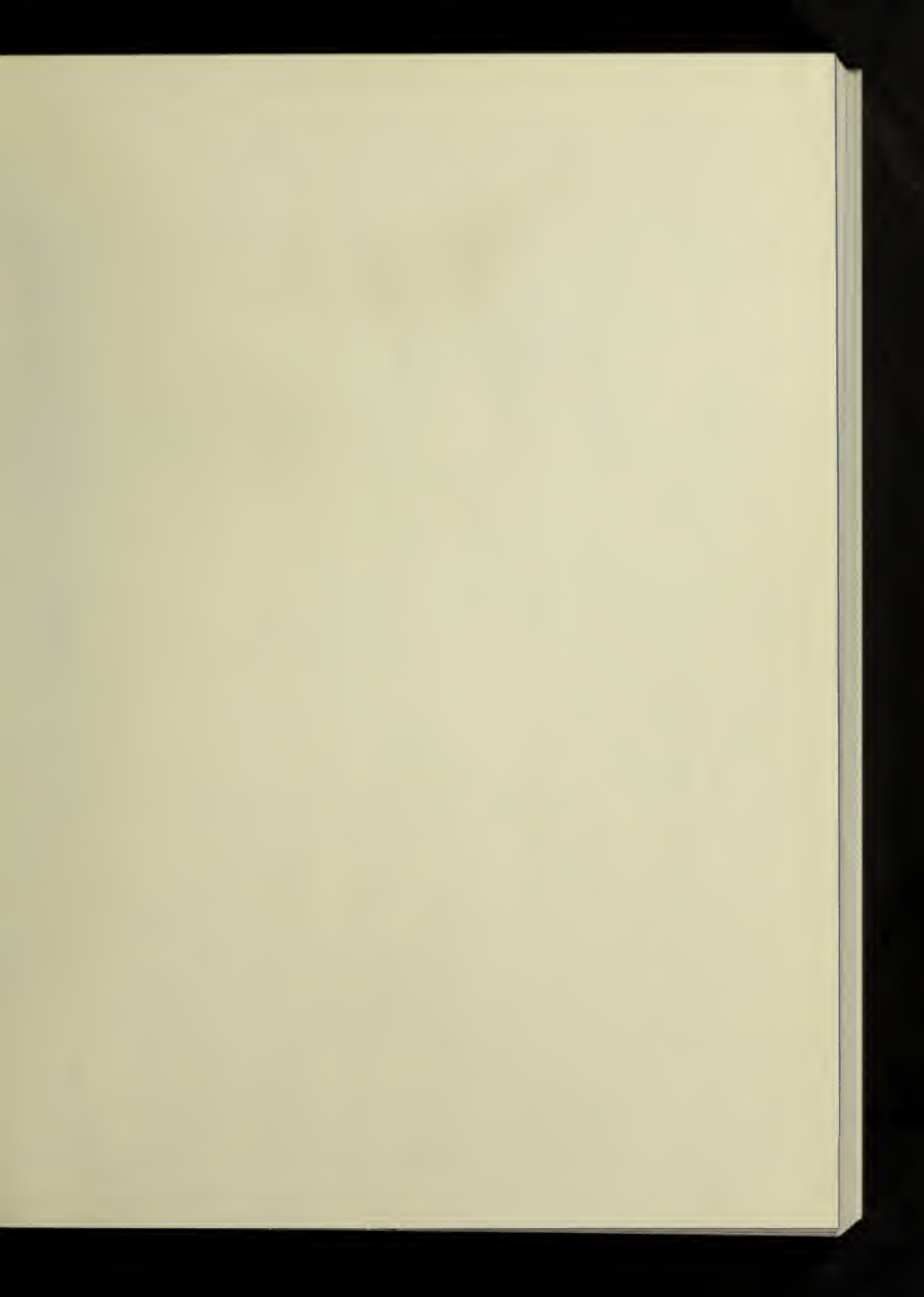
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TENNESSEE VALLEY AUTHORITY
HYDRAULIC DATA BRANCH

PRECIPITATION IN TENNESSEE RIVER BASIN ANNUAL 1955

PREPARED BY THE
HYDRAULIC DATA BRANCH
UNIVERSITY OF KENTUCKY

PRECIPITATION IN TENNESSEE RIVER BASIN
ANNUAL 1955

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TENNESSEE VALLEY AUTHORITY

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PRECIPITATION
IN
TENNESSEE RIVER BASIN

—
ANNUAL 1955
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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1955

Precipitation over the Tennessee River Basin during 1955 averaged 48.88 inches, 2.52 inches less than the 65-year mean of 51.40 inches. The year was the fourth consecutive one with deficient precipitation, and the total was the twentieth lowest amount in 66 years of record since 1890. In the area above Chattanooga, the 1955 average was 47.82 inches, 3.05 inches less than the 65-year mean of 50.87 inches. The average of 50.09 inches in the area below Chattanooga was 1.91 inches under the long term mean of 52.00 inches.

Monthly precipitation in the Valley exceeded the 65-year mean in February, March, April, May, and November. Fifty-one percent of the precipitation for the year occurred in the February-May period. The wettest month was March with 7.91 inches, and the driest was September with 1.83 inches.

The maximum station precipitation for the year was 92.86 inches at Coweeta No. 8, North Carolina, in the Little Tennessee River headwaters. The 20-year mean for Coweeta No. 8 is 92.94 inches, some 6 inches greater than at any other published station in the Valley. The annual total at this station was a Basin maximum in 1950 through 1954, as well as in 1955. Next highest annual totals for 1955 were 89.83 inches at Mount Mitchell, North Carolina, and 84.88 inches at Clingmans Dome, North Carolina. Eight stations recorded between 70 and 80 inches for the year. All were in the southeastern part of the Valley.

The minimum precipitation total in the Basin was 27.81 inches at Daybook, North Carolina, in the upper Nolichucky River area. This amount was 12.33 inches below the 21-year mean at Daybook and the lowest annual total ever recorded at the station. Barnardsville, North Carolina, in the French Broad River basin, recorded 28.62 inches, 10.77 inches below the 21-year mean at the station. Eight other gages reported totals for 1955 of less than 35 inches.

The maximum station precipitation for the month was 14.47 inches in July at Tray Mountain, Georgia, in the Hiwassee River headwaters.

The minimum monthly precipitation occurred in September 1955 when seven stations in northern Alabama and Mississippi completed the month with zero rainfall. Forty-one other stations recorded one-half inch or less for the month of September.

The greatest precipitation recorded within 24 hours was 8.56 inches at Colbert Steam Plant, 10 miles west of Florence, Alabama, on March 20-21, 1955. Heavy precipitation totaling up to 11 inches fell on these dates over a long, narrow area extending northeastward from Louisiana across the western half of the Tennessee Valley to Kentucky. Within the Valley, the axis of heaviest rainfall reached from the Bear Creek watershed across the watersheds of Shoal Creek, Richland Creek, and Duck River to the vicinity of Great Falls Dam. Storm totals ranged up to 10.12 inches at Iron City, Tennessee, in the

20 Feb 64
1955 per. 11/1/62

Shoal Creek area. Major floods resulted on these and other streams in the western part of the Valley. On Cypress Creek near Florence, Alabama; Big Rock Creek at Lewisburg, Tennessee; and Horse Creek near Savannah, Tennessee, the crest stages exceeded all known floods of the past. Shoal Creek near Iron City, Elk River near Prospect, and Richland Creek near Pulaski, Tennessee, reached the highest stages since the March 1902 flood.

Among the watershed subdivisions, the maximum annual precipitation was 65.2 inches over the Nantahala River area above Nantahala, North Carolina. This area was also the maximum in 1954. The 12-year mean for the watershed is 66.8 inches. The minimum subdivision average precipitation in 1955 was 39.6 inches on the North Fork Holston River area above Gate City, Virginia. The mean annual precipitation on this area for the 19 years of record is 41.1 inches. Precipitation on all watershed subdivisions for 1955 is shown on the map on page 13 of this publication. The tabulation on page 6 lists precipitation and runoff for the year for 14 selected watersheds in the Valley.

The frontispiece of this report shows the distribution of 1955 precipitation over the Tennessee River Basin. In the southeastern part of the Basin, substantial variations in precipitation occurred within short distances, a characteristic of this region of high ridges and shielded valleys. In the vicinity of Coweeta No. 8, for example, the Otto station 8 miles to the northeast caught 38.10 inches less rainfall than Coweeta. Coweeta No. 1, only 2 miles to the northeast, recorded 22.98 inches less than Coweeta No. 8.

Snowfall was reported in the Tennessee River Basin in the first three months and last three months of the year. The heaviest amounts occurred in January when 70 percent of the annual total fell. The 1955 average for the Basin was 7.0 inches. The average in the Basin above Chattanooga was 11.1 inches and below that city 2.4 inches. The maximum for the Basin was 49.0 inches at Clingmans Peak in the Nolichucky River headwaters. More than half of this amount fell in January. This U. S. Weather Bureau station, at elevation 6525, was a maximum in 1954 also. A total of 45.9 inches fell at McKinney Gap, North Carolina, in 1955. Fourteen other stations in western North Carolina, eastern Tennessee, and southwestern Virginia recorded 25 inches or more. The snowfall of January 19 caused hazardous road conditions over much of the Basin. Cars were stranded on the Cumberland Plateau and bus schedules were affected. Schools were closed in at least 30 counties for periods of one day to a week.

Isohyetal Maps, 1935-1954 Period

Included in this bulletin on pages 7 to 11 are maps showing the distribution of mean annual precipitation in the Basin for the 20-year period 1935-1954 and of mean quarterly precipitation for the same period. The TVA network of precipitation stations had largely been established by 1935 and the period 1935-1954 is one of excellent station coverage. Mean annual precipitation in the Basin for the 20 years is very nearly the same as for the 65 years for which data of varying completeness are available.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations in or near the Basin, together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, descriptions of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Six reports on special storm investigations were published in monthly issues of this publication during 1955. These reports and the date of the issue in which they appear are as follows:

<u>Subject</u>	<u>Monthly Bulletin Containing Report</u>
Tornado of February 1, 1955, near Huntsville, Alabama	February
Windstorms of March 1, 1955, in East Tennessee	March
Windstorm of March 5, 1955, near Surgoinsville, Tennessee	March
Windstorm of March 25, 1955, in Jefferson City, Tennessee, vicinity	March
Tornado of April 24, 1955, in Morgan County, Alabama	April
Flood of July 9, 1955, on Oconaluftee River	July

TENNESSEE RIVER BASIN PRECIPITATION DURING 1955Precipitation in Inches

<u>Month</u>	Above Chattanooga	Below Chattanooga	<u>Tennessee River Basin</u>			
	<u>1955</u>	<u>1955</u>	<u>1955</u>	<u>Mean</u>	<u>Deviation from Mean</u>	
					<u>Monthly</u>	<u>Cumulative</u>
January	2.25	2.40	2.32	4.95	-2.63	-2.63
February	6.15	7.07	6.58	4.71	+1.87	-0.76
March	7.48	8.41	7.91	5.57	+2.34	+1.58
April	4.79	6.15	5.43	4.38	+1.05	+2.63
May	4.33	5.84	5.04	4.12	+0.92	+3.55
June	3.31	2.81	3.08	4.25	-1.17	+2.38
July	5.08	4.38	4.75	4.93	-0.18	+2.20
August	3.21	2.16	2.72	4.26	-1.54	+0.66
September	2.03	1.61	1.83	3.16	-1.33	-0.67
October	3.03	2.47	2.77	2.83	-0.06	-0.73
November	3.43	3.93	3.66	3.45	+0.21	-0.52
December	2.73	2.86	2.79	4.79	-2.00	-2.52
Total	47.82	50.09	48.88	51.40		

Mean Precipitation figures are for the period 1890-1954.

ANNUAL STREAM FLOW IN INCHES - 1955

<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1955</u>	<u>Mean</u>	<u>1955</u>	<u>Mean</u>
Knoxville	16.26	19.41	16.14	19.38
Chattanooga	19.79	23.64	19.45	23.62

MAXIMUM PRECIPITATION
FOR VARIOUS TIME INTERVALS DURING 1955

<u>No.</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration hours</u>	<u>Precip- itation inches</u>
605	Belleville, Tenn.	Mar. 21	0.2	0.93
381	Moulton, Ala. (R)	July 6	0.5	1.70
271A	North Fork No. 2, N. C.	Aug. 19	0.7	1.77
731	Gallatin Steam Plant, Tenn. (R)	July 24	1.0	3.25
255	Wolf Creek, Tenn.	Aug. 7	2.2	3.72
154	Tray Mountain, Ga. (R)	July 23	4.0	4.61
154	Tray Mountain, Ga. (R)	July 23	8.0	5.56
462A	Colbert Steam Plant, Ala. (R)	Mar. 20-21	24	8.56
369	Iron City, Tenn.	Mar. 16-22	168	11.91
154	Tray Mountain, Ga. (R)	July	744	14.47
233A	Mt. Mitchell, N. C. (R)	Feb.-Mar.	1416	25.28
233A	Mt. Mitchell, N. C. (R)	Feb.-Apr.	2136	34.22
200C	Coweeta No. 8, N. C.	Feb.-July	4344	63.41
200C	Coweeta No. 8, N. C.	1955	8760	92.86

(R) Recording gage.

RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

For the Period January 1, 1955, to December 31, 1955

Stream	Station	Drainage Area sq. mi.	January 1 - December 31, 1955			Runoff in Percent of Rainfall	Rainfall Minus Runoff inches
			Rain- fall inches	Debar- ture inches	Run- off inches		
Big Sandy River	Bruceton	205	52.8	-0.5	15.1	28.6	37.7
Duck River	Hurricane Mills	2571	50.6	-0.5	22.3	44.1	28.3
Bear Creek	Bishop	667	51.6	-1.9	21.7	42.1	29.9
Elk River	Prospect	1784	56.2	+2.3	25.4	45.2	30.8
Paint Rock River	Woodville	320	48.1	-7.5	22.4	46.6	25.7
South Chickamauga Creek	Chickamauga	428	50.5	-3.4	18.7	37.0	31.8
Toccoa River	Dial	177	65.3	-0.6	31.6	48.4	33.7
Valley River	Tomotla	104	Discontinued June 30, 1955				
Sewee Creek	Decatur	117	45.3	-8.0	16.6	36.6	28.7
Emory River	Oakdale	764	51.2	-1.2	24.4	47.7	26.8
Clinch River	Tazewell	1474	42.2	-2.3	18.5	43.8	23.7
Little Tennessee River	Needmore	436	60.0	-0.1	29.3	48.8	30.7
North Fork Holston River	Saltville	222	42.2	+1.8	19.8	46.9	22.4
Little Pigeon River	Sevierville	353	53.5	+0.2	18.1	33.8	35.4
Nolichucky River	Morristown	1679	Discontinued June 30, 1955				
French Broad River	Asheville	945	48.8	-7.9	19.6	40.2	29.2

Locations of watersheds are shown on the map "Average Precipitation on Watershed Subdivisions."
Runoff data are furnished by the U. S. Geological Survey and are tentative.



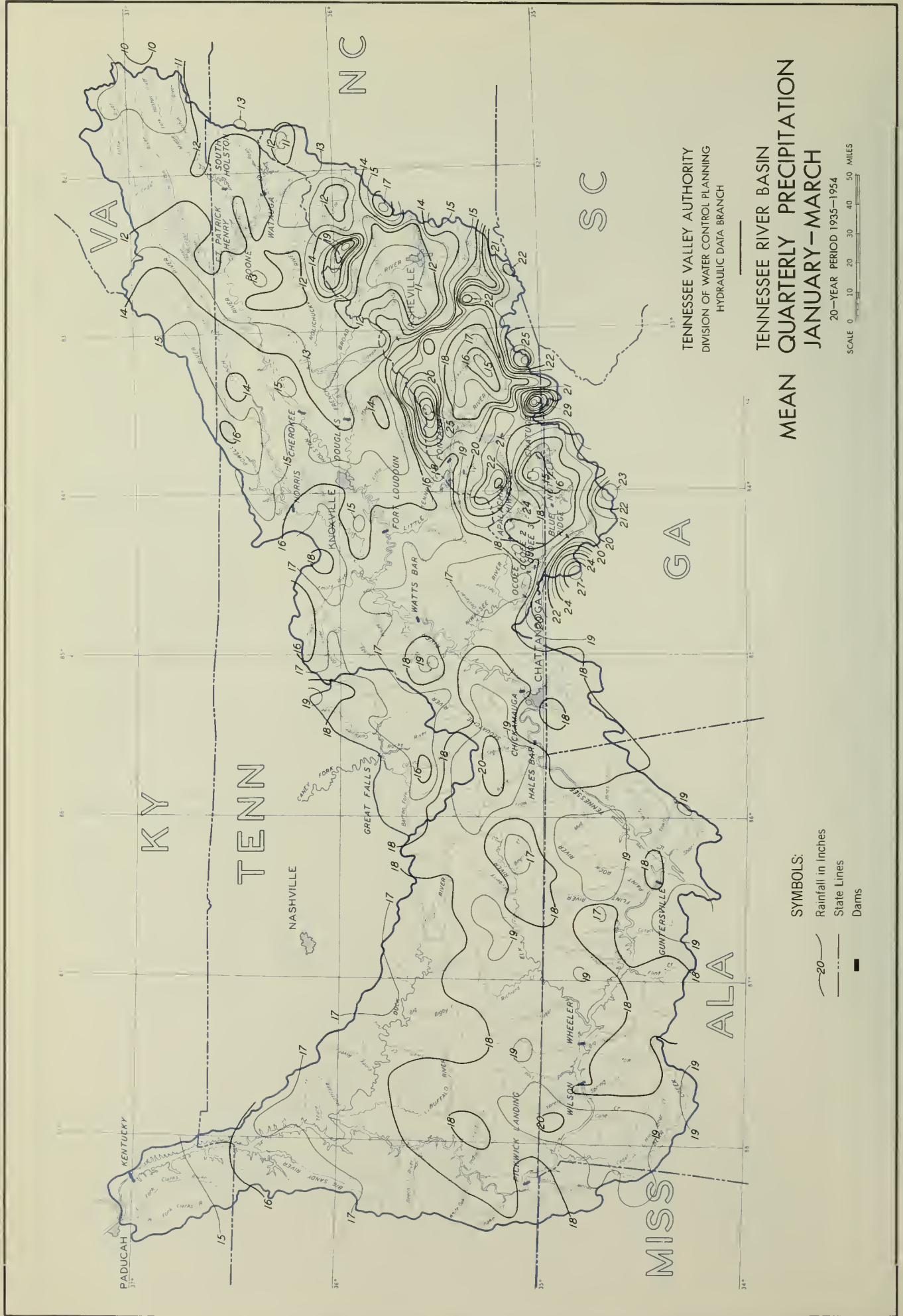
SYMBOLS:

- 75 — Rainfall in Inches
- State Lines
- Dams

TENNESSEE VALLEY AUTHORITY
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HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN MEAN ANNUAL PRECIPITATION

20-YEAR PERIOD 1935-1954
SCALE 1" = 50 MILES



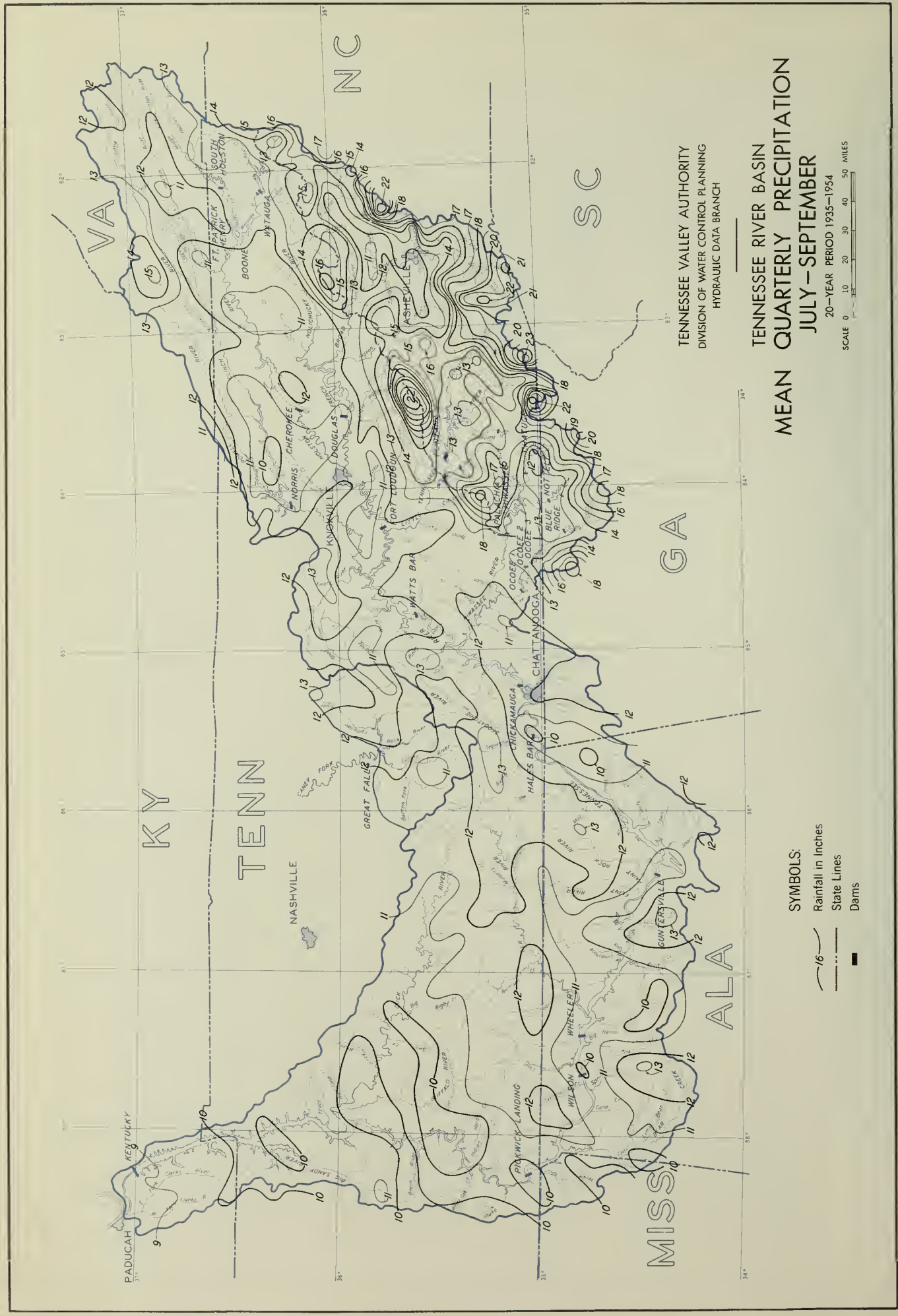


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TENNESSEE RIVER BASIN
MEAN QUARTERLY PRECIPITATION
APRIL - JUNE
20-YEAR PERIOD 1935-1954

SCALE 1" = 50 MILES

- SYMBOLS:
- Rainfall in Inches
 - State Lines
 - Dams








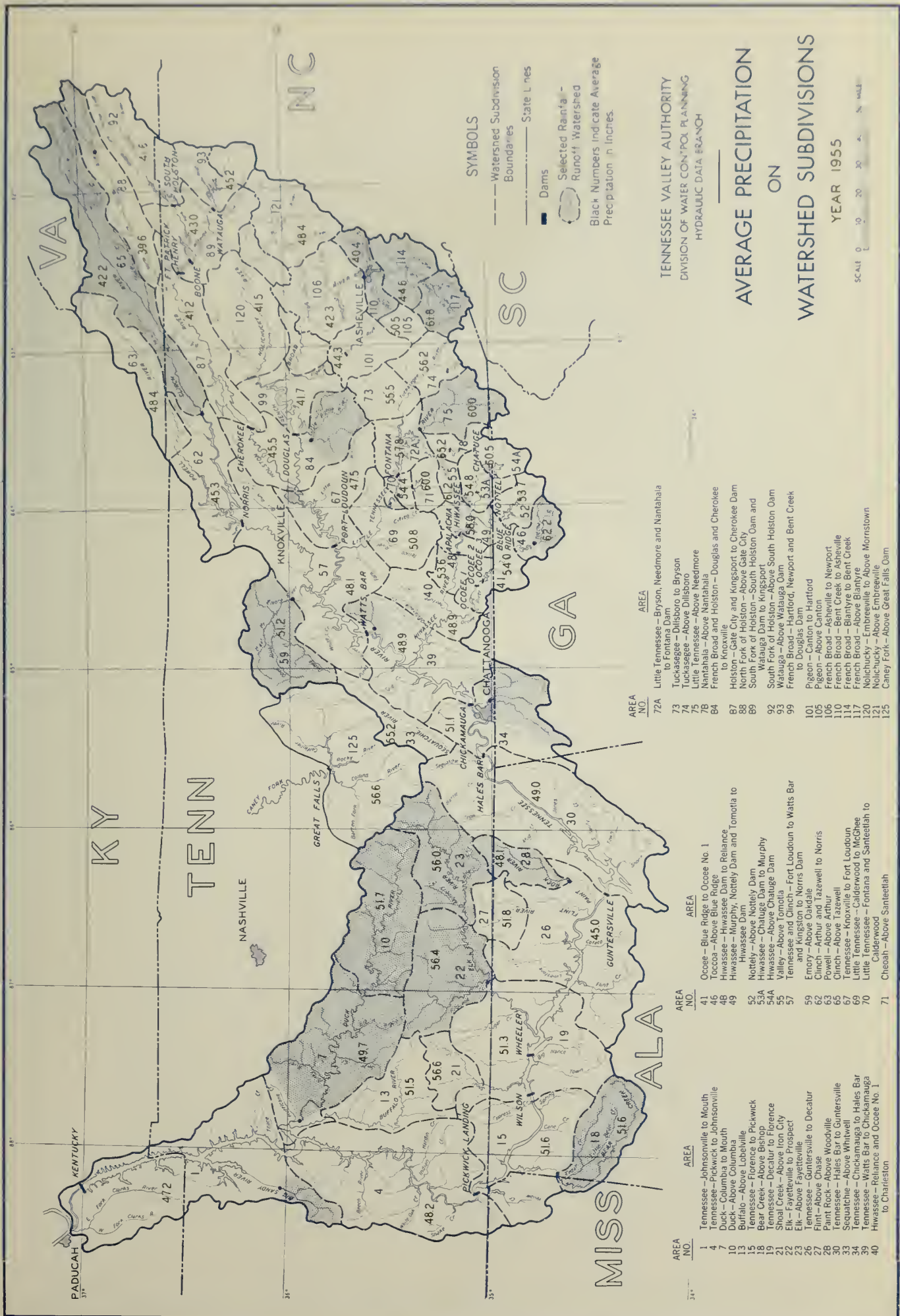
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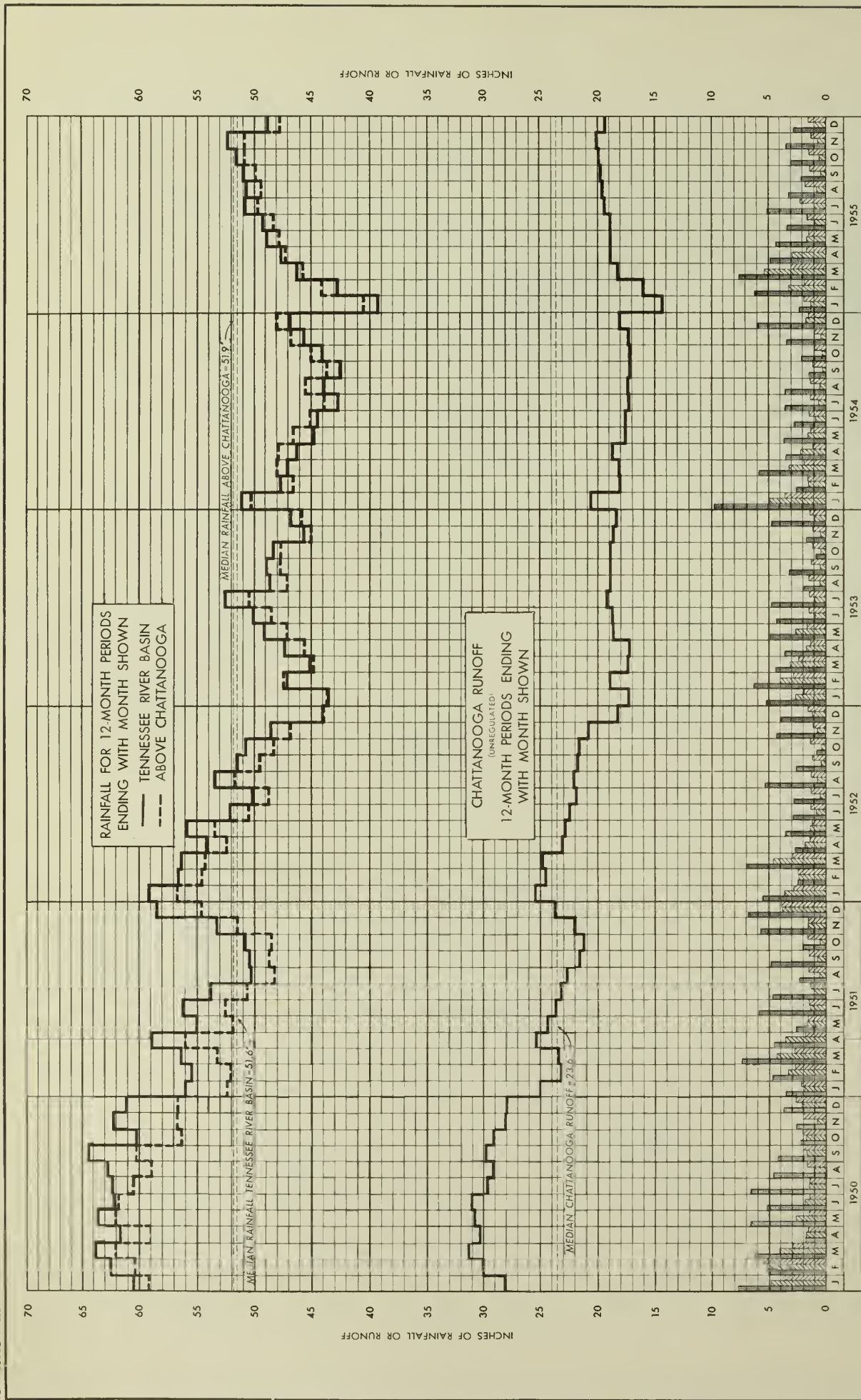
TENNESSEE RIVER BASIN MEAN QUARTERLY PRECIPITATION OCTOBER - DECEMBER

20-YEAR PERIOD 1935-1954
SCALE 0 10 20 30 40 50 MILES

SYMBOLS:
 Rainfall in Inches
 State Lines
 Dams







RAINFALL AND RUNOFF
IN THE
TENNESSEE RIVER BASIN

SYMBOLS:
 [Solid line] MONTHLY RAINFALL ABOVE CHATTANOOGA
 [Hatched bars] MONTHLY RUNOFF AT CHATTANOOGA (UNREGULATED)
 [Cross-hatched bars] MONTHLY RUNOFF AT CHATTANOOGA (REGULATED)
 [Dotted bars] ACTUAL MONTHLY RUNOFF AT CHATTANOOGA (REGULATED)

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1955 MONTHLY AND ANNUAL

Average Precipitation - Inches

Subdivision

Entire Tennessee River Basin

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Area Above Chattanooga

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Area Below Chattanooga

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

French Broad Above Newport

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

French Broad Above Douglas Dam

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Holston Above Cherokee Dam

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Holston and French Broad Above Knoxville

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Little Tennessee Above McGhee

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Little Tennessee Above Fontana Dam

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Clinch Above Norris Dam

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Hiwassee Above Charleston

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Hiwassee Above Hiwassee Dam

1955 Average
19 Yr. Average

Jan.

Feb.

Mar.

Apr.

May

June

July

Aug.

Sept.

Oct.

Nov.

Dec.

Average

Average

Note: 19 Year Averages Based on 1937-1955 Averages.

EVAPORATION DATA—YEAR 1955

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Paris, Tenn.	1.16	1.38a	3.60	4.85	5.39	5.44	5.72	6.44	6.04	3.26	2.38a	1.14	46.80a
Murphy, N. C.	0.91a	1.38a	2.67	4.37	5.41	5.06	4.75	5.09a	3.85	2.44a	1.41a	0.82a	38.36a
Beetree Dam, N. C.	0.76a	1.06a	2.69	4.01	5.18	4.67	4.21a	4.20	3.23	2.22	1.78a	0.76a	34.77a
Jefferson City, Tenn.	0.98	1.09	2.72	4.14	5.33	5.10	5.71	5.99	4.95	2.43	1.52	0.98	40.94
Precipitation (Inches)													
Paris, Tenn.	1.72	6.66	7.21	4.96	5.48	4.19	3.43	1.13	3.57	2.68	3.31	2.76	47.10
Murphy, N. C.	2.55	8.37	5.23	5.51	4.82	3.21	6.58	5.34	1.92	5.38	4.14	3.62	56.67
Beetree Dam, N. C.	1.48	3.53	4.77	4.56	3.91	4.89	7.01	5.43	1.34	2.08	2.33	1.51	42.84
Jefferson City, Tenn.	2.08	5.83	7.10	3.05	2.90	2.37	2.37	0.62	2.75	3.33	3.53	2.54	38.47
Average Air Temperature (Degrees F)													
Paris, Tenn.	37	40	50	62	69	69	80	79	73	57	45	38	58
Murphy, N. C.	36	42	49	58	65	65	73	74	69	55	43	37	56
Beetree Dam, N. C.	33	38	50	57	65	62	70	70	65	52	40	35	53
Jefferson City, Tenn.	36	39	49	59	67	66	76	77	72	57	43	36	56
Average Water Temperature (Degrees F)													
Paris, Tenn.	42a	45a	55a	67	75	77	87	85	78	62	50a	41a	64
Murphy, N. C.	43	47a	58	65	75	76	84a	84	76	62	50a	42a	64
Beetree Dam, N. C.	37a	42a	52a	59	69	70	78	77	70	55	45a	35a	57a
Jefferson City, Tenn.	42	46	56	64	74	76	85	83	77	61	50	42	63
Average Relative Humidity (Percent)													
Paris, Tenn.	75	76	72	70	73	73	79	71	66	72	65	71	72
Murphy, N. C.	79	78	78	71	75	79	86	83	80	80	78	79	79
Beetree Dam, N. C.	68	70	66	65	70	82	91	88	83	75	64	69	74
Jefferson City, Tenn.	77	77	70	69	73	74	76	65	59	72	68	70	71
Average Wind Velocity (Miles Per Hour)													
Paris, Tenn.	1.49	1.53	1.77	1.11	0.35	0.28	0.13	0.15	0.14	0.33	0.70	0.36	0.70
Murphy, N. C.	0.17	0.34	0.29	0.32	0.28	0.20	0.07	0.06	0.11	0.15	0.16	0.12	0.19
Beetree Dam, N. C.	1.15	0.95	1.26	0.89	0.58	0.42	0.33	0.38	0.44	0.63	1.06	0.89	0.75
Jefferson City, Tenn.	1.00	0.78	1.30	0.80	0.49	0.25a	0.17	0.16	0.15	0.22	0.58	0.51	0.53

a = Partly computed.

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Median</u>	<u>Maximum</u> <u>Amount</u>	<u>Date</u>	<u>Minimum</u> <u>Amount</u>	<u>Date</u>	<u>1955</u>
<u>Elizabethton, Tennessee (64 years)</u>							
January	3.47	3.32	8.13	1947	0.46	1896	1.78
February	3.31	3.19	7.59	1944	0.48	1906	4.51
March	4.30	3.98	10.72	1899	1.37	1937	8.96
April	3.31	3.15	6.05	1912	0.65	1942	4.46
May	4.11	3.94	7.73	1915	1.08	1941	3.19
June	4.76	4.40	16.38	1872	1.33	1946	2.21
July	5.17	4.70	10.56	1896	1.10	1872	3.27
August	4.41	4.11	12.14	1901	0.89	1896	5.00
September	2.87	2.68	7.61	1928	0.30	1903	1.36
October	2.47	2.08	7.61	1918	0.02	1904	2.11
November	2.30	2.04	5.02	1948	0.61	1931	3.11
December	3.30	3.00	9.87	1872	0.80	1935	2.23
Annual	43.78	44.34	58.91	1928	29.06	1941	42.19

Hendersonville, North Carolina (59 years)

January	4.76	4.32	12.40	1906	0.39	1907	1.96
February	4.59	4.36	10.73	1891	0.54	1930	4.86
March	5.45	5.50	11.67*	1891	0.96	1930	3.70
April	4.16	4.12	9.38	1920	0.43	1915	5.64
May	4.50	4.16	12.70	1942	0.95	1914	4.83
June	5.29	4.84	11.56	1934	0.96	1911	4.21
July	6.25	5.42	22.09	1916	1.74	1902	5.42
August	5.97	5.04	26.58	1901	0.49	1925	2.76
September	4.35	3.90	14.00	1906	0.22	1919	0.60
October	4.04	3.31	14.59	1918	0.01	1904	3.43
November	3.31	3.08	12.54	1948	0.21	1910	2.10
December	5.22	4.62	12.85	1918	0.93	1955	0.93
Annual	57.89	57.95	92.60	1901	32.55	1925	40.44

* Also Maximum for March 1952.

Knoxville, Tennessee (85 years)

January	4.76	4.02	16.98	1882	1.29	1907	1.77
February	4.71	4.42	12.52	1873	0.56	1898	5.42
March	5.16	4.60	13.35	1917	0.72	1910	6.76
April	4.23	4.00	17.32	1874	0.70	1942	3.13
May	3.77	3.65	8.81	1938	0.71	1941	3.21
June	4.16	3.98	11.83	1928	1.39	1936	3.96
July	4.61	3.96	13.16	1917	0.69	1901	2.88
August	3.92	3.66	11.33	1920	1.10	1953	3.68
September	2.82	2.48	10.78	1944	0.22	1879	2.56
October	2.50	2.06	9.51	1925	0.07	1904	2.13
November	3.30	3.08	11.69	1948	0.17	1890	3.49
December	4.33	3.68	12.34	1901	0.95	1896	1.66
Annual	48.27	47.51	73.87	1875	33.67	1930	40.65

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Median</u>	<u>Maximum</u> <u>Amount</u>	<u>Date</u>	<u>Minimum</u> <u>Amount</u>	<u>Date</u>	<u>1955</u>
<u>Murphy, North Carolina (81 years)</u>							
January	5.68	5.10	14.85	1882	1.75	1907	2.55
February	5.57	4.94	15.10	1873	0.56	1906	8.37
March	6.34	5.89	15.34	1917	2.09	1918	5.23
April	4.74	4.61	15.40	1874	0.30	1915	5.19
May	4.02	3.61	11.25	1929	0.46	1941	4.82
June	5.01	5.10	9.31	1884	1.53	1936	2.98
July	5.74	5.52	13.42	1950	1.23	1901	6.58
August	5.06	4.68	13.96	1920	0.95	1953	5.34
September	3.24	3.36	7.44	1951	0.20	1876	1.85
October	3.05	2.58	9.27	1949	T	1904	5.23
November	3.75	3.20	13.18	1948	0.51	1924	4.05
December	5.27	4.81	12.98	1932	1.09	1898	3.41
Annual	57.47	56.48	84.80	1875	40.00	1940	55.60

Chattanooga, Tennessee (77 years)

January	5.30	4.74	14.74	1882	1.33	1907	2.72
February	5.01	4.84	12.30	1939	0.62	1941	6.93
March	5.92	5.24	14.05	1899	0.93	1910	5.02
April	4.66	4.18	15.29	1911	0.44	1942	8.49
May	3.94	3.79	12.00	1929	0.54	1941	6.40
June	4.09	4.05	9.40	1949	0.29	1931	3.29
July	4.69	4.79	13.49	1916	0.67	1902	5.93
August	3.84	3.24	12.36	1920	0.45	1929	1.69
September	3.02	2.54	9.18	1950	0.04	1919	0.89
October	2.97	2.52	11.91	1925	0.08	1938	1.94
November	3.54	3.09	13.59	1948	0.16	1890	4.73
December	5.11	4.62	11.69	1942	0.44	1889	2.32
Annual	52.09	51.41	72.37	1929	32.68	1904	50.35

Lewisburg, Tennessee (62 years)

January	5.31	4.76	17.05	1950	1.26	1943	2.18
February	5.13	4.77	13.14	1939	1.08	1941	7.66
March	5.96	5.90	12.50	1902	0.94	1910	11.59
April	4.49	4.63	12.60	1912	0.56	1915	6.44
May	4.04	3.82	8.50	1933	0.60	1941	5.94
June	4.02	3.60	13.46	1900	0.72	1899	1.94
July	4.38	4.02	9.85	1941	0.84	1954	5.91
August	4.02	3.27	11.40	1923	0.57	1909	0.92
September	3.03	2.96	8.87	1906	0.32	1927	1.45
October	2.90	2.43	8.88	1919	0.05	1924	2.03
November	3.71	3.30	10.27	1948	0.46	1953	6.87
December	4.81	4.22	11.71	1922	1.01	1928	2.88
Annual	51.80	51.32	66.62	1950	37.42	1904	55.81

PRECIPITATION STATISTICS FOR SELECTED STATIONS--ContinuedPrecipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Median</u>	<u>Maximum</u> <u>Amount</u>	<u>Date</u>	<u>Minimum</u> <u>Amount</u>	<u>Date</u>	<u>1955</u>
<u>Muscle Shoals, Alabama* (72 years)</u>							
January	5.22	4.74	13.09	1950	1.98	1914	3.25
February	5.15	4.72	13.64	1948	0.54	1941	7.34
March	5.87	5.28	16.15	1897	1.26	1910	9.38
April	4.53	4.04	16.07	1892	0.74	1930	5.95
May	3.96	3.72	11.29	1939	0.16	1941	5.55
June	4.09	3.88	13.87	1900	0.60	1897	2.37
July	4.49	3.77	14.60	1916	0.77	1935	5.97
August	3.82	3.26	10.60	1894	0.35	1948	0.43
September	2.96	2.66	7.87	1890	0.00	1897	0.49
October	2.61	1.98	11.05	1918	0.00	1924	1.53
November	3.50	3.47	11.39	1948	0.16	1949	2.34
December	4.86	4.22	14.59	1926	1.10	1889	3.98
Annual	51.06	50.76	76.21	1932	30.92	1943	48.58

* Before December 1940, this station was at Florence, Alabama.

<u>Johnsonville, Tennessee (72 years)</u>							
January	5.52	4.48	23.51	1937	0.64	1944	1.47
February	4.29	3.84	9.56	1939	0.79	1947	6.57
March	5.32	5.22	13.07	1927	0.59	1910	8.47
April	4.72	4.22	12.29	1892	0.53	1887	6.52
May	4.35	3.46	10.19	1909	0.48	1951	5.05
June	4.03	3.49	13.34	1928	0.37	1930	2.01
July	4.08	3.76	10.12	1892	0.06	1890	1.96
August	3.81	2.90	13.70	1914	0.34	1948	1.06
September	3.46	3.26	11.31	1921	0.00	1897	3.42
October	2.90	2.50	11.44	1919	T	1924	2.29
November	4.13	3.45	11.90	1906	0.74	1949	2.65
December	4.56	3.86	14.66	1926	0.05	1889	1.07
Annual	51.17	49.83	76.17	1950	33.97	1941	42.54

MONTHLY AND ANNUAL RAINFALL AND RUNOFFTENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
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Rainfall in Inches 1890 - 1955

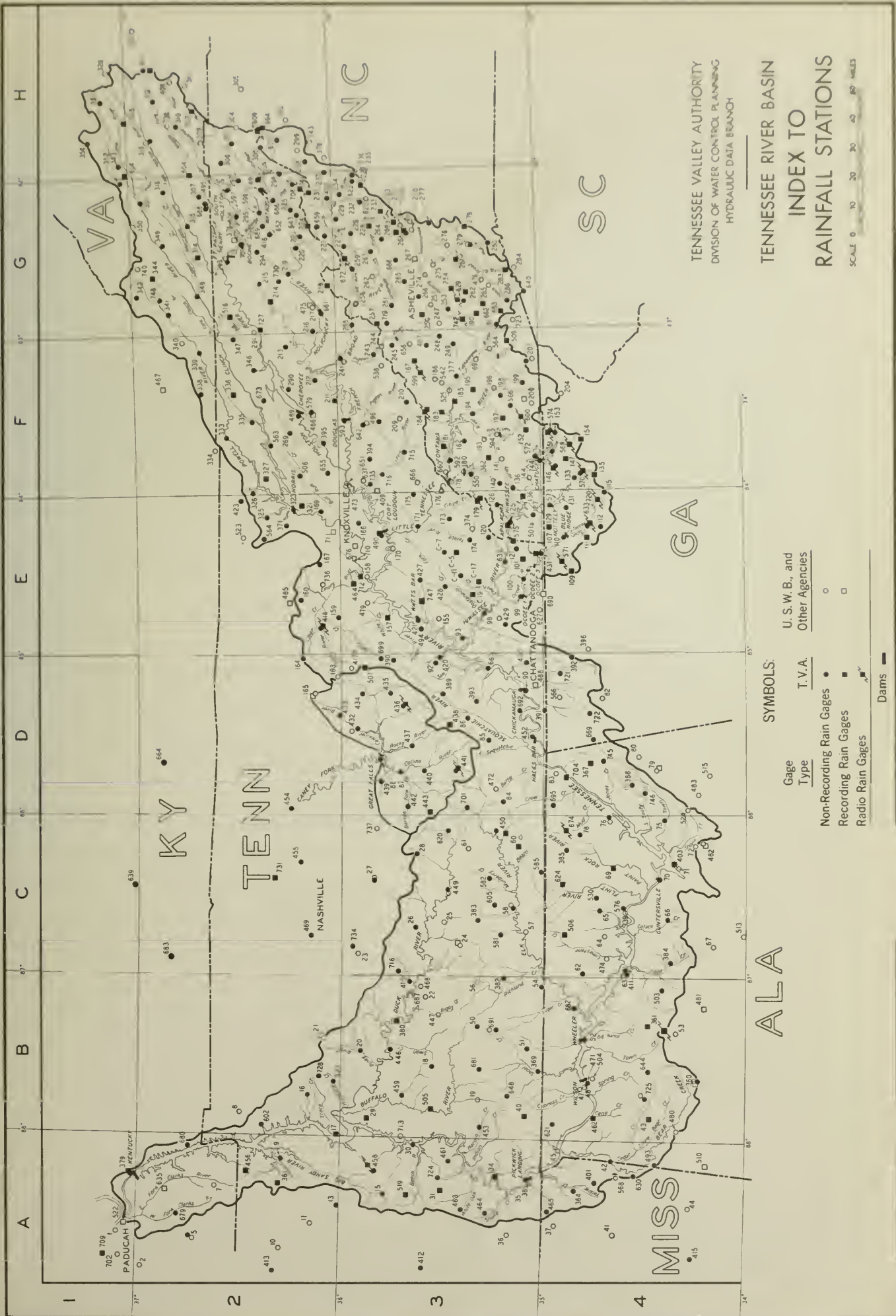
1955	2.25	6.15	7.48	4.79	4.33	3.31	5.08	3.21	2.03	3.03	3.43	2.73	47.82
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	6.91	8.37	10.30	9.98	62.81
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.69	1.25	0.77	0.17	0.44	1.06	37.23
Mean	4.58	4.58	5.37	4.08	4.09	4.47	5.31	4.57	3.20	2.86	3.16	4.54	50.81
Median	4.24	4.46	5.16	4.05	3.80	4.48	5.05	4.19	3.02	2.48	2.94	4.16	51.72

Runoff in Inches 1874 - 1955
(Unregulated)

1955	1.26	3.15	5.34	2.92	1.55	0.95	1.01	0.72	0.40	0.52	0.64	0.99	19.45
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean	3.08	3.22	3.78	2.94	2.01	1.45	1.35	1.16	0.86	0.79	1.08	1.90	23.62
Median	2.82	3.09	3.26	2.62	1.84	1.27	1.12	0.97	0.70	0.70	0.84	1.67	23.63

Runoff in Cubic Feet Per Second 1874 - 1955
(Unregulated)

1955	23,300	64,800	99,100	56,100	28,800	18,200	18,800	13,400	7,600	9,700	12,200	18,400	30,700
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean	57,200	66,200	70,200	56,400	37,300	27,800	25,100	21,500	16,500	14,700	20,700	35,300	37,200
Median	52,300	63,500	60,500	50,300	34,200	24,400	20,800	18,000	13,400	13,300	16,100	31,000	37,200



TENNESSEE VALLEY AUTHORITY

ANNUAL 1955 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Rec.	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R	Depth of Snow (Inches)		
						Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total	Wt.	Total			
TENNESSEE RIVER - MOUTH TO JOHNSVILLE																																	
1	FAIRBANK	A-1	USWB	333	74	0.61	4.37	3.27	3.62	4.70	4.93	5.63	4.34	4.49	3.90	5.19	4.06	4.95	3.43	1.39	3.46	3.75	3.04	2.17	2.90	3.63	3.84	0.44	3.99	40.42	45.68	2.8	
222	FAIRBANK, NEAR (R)	A-1	USWB	340	15	0.99	4.74	3.71	3.66	4.22	4.84	5.79	3.92	4.82	4.40	4.25	3.65	3.13	2.72	1.15	2.85	3.05	2.96	1.62	2.77	2.89	3.95	0.85	3.30	36.87	43.36	---	
702	FAIRBANK AIRPORT	A-1	USWB	534	6	0.11	0.85	3.14	4.09	4.44	4.90	5.52	4.00	4.99	3.94	4.21	4.06	3.46	3.09	0.60	3.28	3.17	3.40	2.03	2.42	5.32	3.52	0.94	3.66	46.70	46.70	1.1	
709	SEANORE STEAM PLANT (R)	A-1	TVA	395	5	0.96	2.67	2.67		6.76		5.66	5.29	5.29		4.21	4.26	4.46	5.33	0.38			2.17	1.74		2.71			38.02		2.0		
479	LOVELACEVILLE	A-2	USWB	479	31	0.77	4.60	3.73	3.90	5.41	5.05	5.98	4.07	5.66	4.11	4.02	3.75	4.46	4.33	2.67	3.41	3.58	2.97	1.94	3.53	3.43	3.79	1.16	3.75	47.37	47.37	---	
379	KENTUCKY DAM (R)	A-1	TVA	362	18	0.94	4.65	5.90	4.29	4.46		5.32	4.98	4.78		4.82	4.82	4.11	3.46	3.07			2.59	2.59	3.30	3.50	2.43	3.79	43.13	43.13	2.0		
379A	KENTUCKY DAM	A-1	TVA	362	11	0.82	5.94	4.59	5.12	5.29	5.12	5.29	4.42	3.77	6.06	4.43	4.71	3.76	3.16	3.01	3.20	2.91	3.20	2.83	2.95	4.29	1.77	4.25	44.43	48.42	2.4		
679	HICKSVILLE	A-2	TVA	440	8	0.47	6.18	6.05	5.14	4.78	5.96	5.62	3.74	6.03	4.20	6.21	4.01	4.50	3.19	0.69	3.38	3.42	3.97	2.50	2.76	1.36	3.61	2.50	5.35	44.83	46.29	1.3	
5	MATFIELD	A-2	USWB	364	43	0.72	4.71	5.51	3.35	4.94	4.84	5.92	4.41	6.46	4.12	5.16	3.13	4.53	3.88	2.72	3.48	3.37	2.27	2.97	3.99	1.98	3.73	2.07	3.99	46.29	46.29	1.3	
54	MATFIELD SUBSTA.	A-2	TVA	364	12	1.01	5.33	5.88	4.93	4.88	5.77	7.86	4.32	6.99	4.98	5.29	4.07	3.30	3.81	2.81	2.81	2.81	3.89	3.70	2.26	2.87	1.04	4.18	49.03	51.63	2.0		
615	BECKTON (R)	A-2	USWB	412	11	0.85	5.82	5.63	4.57	5.22	5.21	4.95	3.81	5.12	4.07	5.28	4.23	3.16	3.44	0.24	2.61	3.14	2.00	2.03	2.44	3.79	1.92	4.58	43.20	47.47	3.0		
7	MURRAY	A-2	USWB	412	30	1.24	5.22	6.19	3.99	6.14	5.55	8.09	4.41	3.95	4.16	3.58	4.03	2.65	3.26	1.53	3.32	3.35	3.35	3.22	3.00	2.60	3.31	1.59	3.79	44.31	47.42	3.0	
680	TURKEY CREEK SCHOOL	A-2	TVA	390	8	1.51	6.40	7.68	5.31	6.67	6.41	7.50	4.87	4.82	4.26	4.74	4.17	4.46	3.16	2.94	3.43	5.90	4.19	2.79	2.70	2.94	4.02	1.72	5.10	53.37	53.02	2.6	
492	DOVER	B-2	USWB	492	98	1.81	5.49	7.10	3.88	4.85	3.86	4.03	3.32	4.03	4.81	3.46	2.38	3.37	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.6	
602	DOVER FIRE TOWER, NEAR	B-2	TVA	410	13	2.03	6.32	7.23	4.94	7.99	5.90	5.92	4.33	4.32	4.10	3.11	3.11	3.11	3.11	1.02			2.85	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	3.3
435	BUCHANAN (R)	A-2	TVA	435	16	1.51	5.22	6.42	4.44	7.09	6.00	5.70	4.00	3.44	3.96	4.46	3.76	2.85	3.76	1.20	3.49	3.24	3.09	2.43	2.87	2.76	4.33	2.61	4.63	47.73	49.12	2.6	
400	SPRINGVILLE	A-2	TVA	400	41	1.81	5.72	6.68	4.04	7.23	5.41	4.97	4.27	4.33	3.47	5.00	3.36	4.04	3.82	0.81	3.51	3.69	3.47	3.39	2.87	3.02	4.03	2.39	4.65	47.73	49.12	2.6	
422	DRESDEN	A-2	USWB	422	32	1.68	5.68	7.11	4.15	7.56	5.46	4.79	4.35	4.97	4.70	3.71	4.16	3.61	3.48	2.17	3.51	3.69	3.27	1.83	3.41	4.93	4.01	1.76	4.38	47.21	50.32	3.0	
361	PARIS EVAPORATION STA. (R)	A-2	TVA	361	19	1.66	5.74	6.42	4.19	6.65	5.47	4.78	4.39	5.35	4.26	3.89	3.97	3.21	4.22	1.04	3.74	3.49	3.40	2.54	3.35	3.16	4.07	2.92	4.53	44.71	51.13	---	
425	MCKENZIE	A-2	USWB	425	19	1.69	5.70	6.60	4.19	7.43	5.43	5.27	4.31	6.16	4.58	2.82	3.92	1.63	4.01	0.23	3.48	3.81	3.45	2.73	3.31	3.82	4.00	3.72	4.36	46.94	50.47	1.0	
13	BUNTINGDON	A-2	TVA	430	26	1.27	6.16	6.10	4.25	6.60	5.97	7.50	4.51	6.16	4.39	5.74	5.35	4.17	1.20	3.33	1.17	1.20	3.33	2.65	2.76	2.67	3.87	1.30	4.22	50.47	50.47	1.0	
15	WILDERVILLE	A-3	TVA	480	40	1.44	6.35	7.49	4.29	9.14	4.56	6.29	4.40	6.30	4.56	2.57	3.97	4.30	4.06	4.26	3.97	6.39	3.20	2.29	2.87	3.25	4.07	1.34	4.78	59.36	51.96	3.7	
470	ERIN, NEAR	B-2	TVA	470	20	1.77	6.69	7.52	4.56	8.02	5.80	7.12	4.12	6.33	4.01	5.46	3.76	3.79	4.38	2.98	3.34	2.50	3.06	3.05	2.65	4.47	4.06	1.36	4.58	54.47	51.01	5.1	
DEER RIVER																																	
459	PLEASANTVILLE	B-3	TVA	495	16	1.56	6.76	7.06	5.15	10.47	6.02	6.51	4.42	6.05	4.12	1.99	3.35	2.32	2.48	1.50	3.69	3.74	2.70	2.28	2.58	2.70	4.61	1.89	4.74	48.71	51.19	5.5	
505	SUGAR HILL (R)	B-3	TVA	580	15	1.70	7.23	6.75	5.43	9.73	5.61	6.15	4.20	4.85	3.58	3.07	2.74	2.74	2.85	2.11	4.31	2.16	2.83	2.44	1.95	3.02	4.42	2.02	4.66	46.78	49.81	---	
18	RENEWAL	B-3	TVA	975	68	1.95	5.99	6.65	4.97	8.28	5.93	5.68	4.65	7.64	4.30	2.51	3.57	3.07	4.06	4.36	4.42	1.16	3.12	2.21	3.04	2.92	4.40	1.37	3.42	47.80	52.31	5.2	
19	WATKINSBORO	B-3	USWB	730	71	2.19	5.40	7.32	5.28	9.78	6.07	8.31	5.10	5.66	4.72	3.26	4.38	4.03	4.46	1.79	3.49	3.49	3.40	1.58	2.51	6.03	4.60	0.86	5.13	57.46	56.62	5.8	
20	MEPHER, NEAR	B-2	TVA	945	14	1.68	5.95	6.63	5.74	9.62	7.18	7.00	4.01	6.65	4.84	4.12	4.15	3.00	3.16	6.00			3.85	2.51	3.28	4.46	1.01	4.92	57.46	56.62	5.8		
728	MEPHER	B-2	TVA	805	3	1.95	5.95	7.56	8.50	8.50	4.51	1.83	2.93	3.49	4.00	3.16	3.18						4.00	3.16	3.85	2.51	3.28	4.46	1.01	4.92	57.46	56.62	5.8
20	FINWOOD	B-3	TVA	520	10	1.64	6.05	7.29	4.18	10.29	5.26	3.83	3.28	3.77	2.82	2.66	2.95	2.70	2.83				2.92	2.66	2.95	2.70	2.83	3.76	1.40	4.87	51.71	49.66	4.0
21	DICKSON	B-2	USWB	800	64	1.79	5.66	7.45	4.39	9.71	5.84	3.98	3.28	3.98	2.96	2.96	3.00	3.00	3.00				2.89	1.35	3.52	4.07	1.70	4.69	57.55	50.68	4.0		
446	CENTREVILLE SUBSTA.	B-3	TVA	486	16	1.65	6.70	6.62	5.20	9.10	5.99	3.42	3.66	3.49	3.00	2.31	2.84	3.10	1.93	1.93			3.40	1.90	1.91	4.32	2.76	4.08	1.55	4.31	45.28	43.28	---
380	SHADY GROVE (R)	B-3	TVA	580	17	1.66	6.62	6.87	5.75	8.92	5.41	6.15	4.39	6.22	3.37	2.03	3.32	3.23	3.82	1.67	3.37	2.31	2.44	1.91	1.82	2.76	4.08	1.55	4.31	45.28	43.28	---	
447	MT. PLEASANT SUBSTA.	B-3	TVA	610	16	2.14	5.84	6.74	4.07	9.77	5.85	6.10	4.07	6.41	3.57	2.37	1.61	1.91	1.82	2.76	4.08	1.55	4.31	45.28	43.28	---						7.7	
471A	MT. PLEASANT, NEAR	B-3	USWB	720	3	2.34	5.84	6.74	4.07	10.34	5.85	6.10	4.07	6.41	3.57	2.37	1.61	1.91	1.82	2.76	4.08	1.55	4.31										

[illegible]

(#) Interpolated or partly interpolated. (R) Recorder at present.

TENNESSEE VALLEY AUTHORITY

ANNUAL 1955 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index Owner	Elev. Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Y E A R	Depth of Snow (Inches)
TENNESSEE RIVER - FLORENCE TO CUMBERVILLE (CONT'D)																	
520	MONTICELLO NO. 6	C-4 TVA	1600	2.82	6.88	7.22	6.22	6.51	5.09	6.51	5.09	6.51	5.09	6.51	5.09	6.51	5.09
521	TRACY	C-4 TVA	825	2.61	6.66	7.12	5.95	7.12	5.95	7.12	5.95	7.12	5.95	7.12	5.95	7.12	5.95
522	NEW MARKET	C-4 TVA	760	2.24	7.11	6.39	5.95	6.39	5.95	6.39	5.95	6.39	5.95	6.39	5.95	6.39	5.95
523	ELORA	C-3 TVA	920	2.36	6.51	6.88	6.04	6.88	6.04	6.88	6.04	6.88	6.04	6.88	6.04	6.88	6.04
524	PAINT ROCK (R)	C-4 TVA	610	3.06	6.11	7.45	6.16	7.45	6.16	7.45	6.16	7.45	6.16	7.45	6.16	7.45	6.16
525	SALIN	C-4 TVA	665	2.25	6.36	7.50	6.79	7.50	6.79	7.50	6.79	7.50	6.79	7.50	6.79	7.50	6.79
526	HITOP	C-4 TVA	1615	2.75	6.71	8.02	6.47	8.02	6.47	8.02	6.47	8.02	6.47	8.02	6.47	8.02	6.47
527	HITOP RADIO	C-4 TVA	1785	2.75	6.71	8.02	6.47	8.02	6.47	8.02	6.47	8.02	6.47	8.02	6.47	8.02	6.47
ELK RIVER																	
528	BETHEL	C-3 TVA	690	2.70	6.73	7.22	6.20	8.98	6.22	5.27	4.45	6.51	5.09	6.51	5.09	6.51	5.09
529	FULASKI	C-3 TVA	760	2.28	6.39	8.01	6.93	12.48	6.23	5.89	4.95	6.97	3.74	4.41	3.11	5.64	4.10
530	LITTONVILLE, NEAR	C-3 USHB	744	2.11	5.18	7.11	5.78	12.17	6.16	6.38	4.67	6.12	4.45	1.92	3.85	3.58	4.69
531	COLDWATER	C-3 USHB	645	2.87	5.38	7.78	5.42	8.25	6.14	7.02	4.53	7.37	4.36	1.55	3.70	2.79	4.20
532	FAIRVIEW	C-3 TVA	700	2.94	7.40	6.46	6.16	6.46	6.16	6.46	6.16	6.46	6.16	6.46	6.16	6.46	6.16
533	FAIRVIEW	C-3 USHB	695	2.23	5.22	6.44	5.15	8.38	5.88	6.43	3.91	6.66	4.14	2.21	3.52	2.98	4.87
534	FAIRVIEW	C-3 TVA	795	2.28	6.39	8.01	6.93	12.48	6.23	5.89	4.95	6.97	3.74	4.41	3.11	5.64	4.10
535	FAIRVIEW	C-3 USHB	686	2.11	5.18	7.11	5.78	12.17	6.16	6.38	4.67	6.12	4.45	1.92	3.85	3.58	4.69
536	LYNCHBURG	C-3 TVA	780	3.03	7.31	7.36	6.40	8.97	6.45	7.03	4.70	7.06	4.29	2.69	3.69	1.32	4.10
537	LYNCHBURG	C-3 TVA	970	2.60	6.01	6.49	5.08	7.93	5.30	7.55	4.01	6.68	3.33	3.09	3.80	3.44	4.88
538	HELVENBERG	C-3 USHB	1065	2.70	5.46	6.90	5.36	10.01	6.05	8.22	4.65	5.61	4.03	1.15	3.96	2.78	4.99
539	UNIVERSITY SUBSTA.	C-3 TVA	960	2.13	6.17	7.58	5.31	7.67	5.46	8.00	4.10	6.98	4.01	1.86	3.74	1.67	3.64
540	BILLINGS	C-3 TVA	1091	2.49	6.63	6.95	5.71	8.40	5.71	8.07	4.68	5.70	3.82	1.50	3.50	3.20	3.76
541	MONTAGLE	C-3 USHB	1920	2.37	5.93	7.97	5.34	7.90	6.44	8.16	5.23	6.82	4.46	1.46	3.56	2.51	4.41
TENNESSEE RIVER - CUMBERVILLE TO CHICKAMAUGA																	
542	CUMBERVILLE	C-4 TVA	611	3.51	5.74	6.87	5.58	7.22	6.16	3.89	4.37	4.11	3.11	2.43	3.67	3.06	3.67
543	CUMBERVILLE	C-4 TVA	610	3.32	5.44	6.53	5.00	6.53	5.00	6.53	5.00	6.53	5.00	6.53	5.00	6.53	5.00
544	CUMBERVILLE	C-4 USHB	618	3.84	4.61	6.53	5.00	5.81	5.68	4.05	3.96	4.63	4.42	1.63	3.95	3.70	4.88
545	ALBANYVILLE	C-4 USHB	1090	3.90	5.15	5.99	4.88	4.15	6.29	3.44	4.66	5.01	4.21	3.65	4.24	6.69	5.01
546	BUMZ	C-4 USHB	1010	3.91	5.49	5.31	5.90	3.75	6.72	4.48	4.34	4.48	3.75	2.78	4.24	3.08	4.22
547	SAND MT. STATE PARK	C-4 TVA	1199	3.42	5.96	5.31	5.79	3.75	6.72	4.48	4.34	4.48	3.75	2.78	4.24	3.08	4.22
548	COLLINSVILLE	C-4 USHB	825	3.98	5.17	5.44	6.10	4.01	6.59	4.89	4.40	5.73	3.77	2.94	3.79	4.62	4.55
549	LEESBURG	C-4 USHB	636	3.42	5.33	7.00	5.33	3.32	6.17	5.49	4.65	5.73	3.81	2.08	4.02	4.68	4.35
550	FOUR HILL	C-4 TVA	1150	6.19	6.34	6.94	5.76	7.31	6.47	5.93	4.81	5.93	4.81	5.93	4.81	5.93	4.81
551	FOUR HILL	C-4 TVA	624	3.24	6.25	6.00	5.80	4.82	6.40	5.49	4.38	7.04	3.95	4.32	3.84	4.39	4.38
552	FT. PAYE	C-4 USHB	920	3.04	6.09	6.63	6.33	5.23	6.26	5.87	4.26	6.16	4.26	2.91	4.29	6.04	5.01
553	VALLEY HEAD	C-4 USHB	1010	3.04	6.09	6.63	6.33	5.23	6.26	5.87	4.26	6.16	4.26	2.91	4.29	6.04	5.01
554	SYLVANIA	C-4 TVA	1400	3.04	6.09	6.63	6.33	5.23	6.26	5.87	4.26	6.16	4.26	2.91	4.29	6.04	5.01
555	SCOTTSDALE	C-4 USHB	637	3.06	4.82	7.25	4.84	5.88	5.81	5.47	4.81	3.70	3.98	2.94	4.42	8.14	4.97
556	UNIVERSITY SUBSTA.	C-4 USHB	637	3.06	4.82	7.25	4.84	5.88	5.81	5.47	4.81	3.70	3.98	2.94	4.42	8.14	4.97
557	PLEASANT GROVE SCHOOL	C-4 TVA	633	2.22	5.98	7.10	5.42	4.19	6.21	6.28	4.02	6.83	3.96	3.45	4.37	5.10	6.09
558	FLAT ROCK (R)	C-4 TVA	1380	2.71	5.51	6.15	5.76	6.33	5.97	6.31	3.79	4.12	3.98	1.48	3.29	3.85	3.96
559	WIDOWS CREEK STEAM PLANT (R)	C-4 TVA	612	2.98	5.41	6.40	4.67	4.67	6.65	6.65	4.05	3.90	3.20	2.93	3.81	5.99	5.99
560	BRIDGPORT	C-4 USHB	690	2.77	4.81	6.17	4.84	5.43	4.18	4.35	4.17	8.95	4.09	2.76	4.06	5.99	4.69
561	SENAKEE	C-4 USHB	1925	3.10	5.43	7.90	5.27	8.00	6.20	7.73	4.64	5.04	4.64	4.64	4.64	5.04	4.64
562	JASPER SUBSTA.	C-3 TVA	650	2.42	6.32	8.32	6.83	6.34	6.68	6.40	4.17	6.82	3.68	3.98	3.92	5.92	4.59
563	LOOMART TOWER	C-3 TVA	2400	2.85	6.99	7.75	6.33	8.74	6.73	12.05	5.03	5.53	4.21	4.92	4.42	7.00	6.24
564	DUNLAP	C-3 TVA	730	2.16	6.02	6.99	5.11	6.60	5.84	7.72	4.46	6.99	3.46	5.78	5.08	4.38	4.38
565	CAULEY (R)	C-3 TVA	2120	2.40	6.01	6.99	5.11	6.60	5.84	7.72	4.46	6.99	3.46	5.78	5.08	4.38	4.38
566	COLLEGE JUNCTION	C-3 TVA	870	2.35	5.67	6.47	5.55	5.85	5.94	5.79	3.84	4.10	3.68	3.96	4.02	6.19	4.94
567	LITTON	C-3 TVA	980	2.69	6.03	6.41	6.00	6.57	5.72	5.42	4.04	4.61	3.71	4.94	4.23	2.89	5.26
568	BELLS BAR DAM	C-3 TVA	1950	2.16	5.34	6.40	5.36	5.60	5.60	7.19	3.87	4.95	3.26	3.71	3.83	4.32	4.90
569	STONEL MOUNTAIN	C-3 TVA	1780	2.77	5.21	7.20	5.39	5.15	6.83	11.22	4.79	7.29	4.11	1.50	3.42	4.11	5.42
570	RISEING FARM	C-4 TVA	820	3.16	6.63	6.43	5.06	5.72	5.98	5.66	3.83	5.84	3.77	2.14	3.89	3.99	5.16
571	LOOKOUT MOUNTAIN	C-4 TVA	1970	2.75	5.96	6.87	5.71	5.78	5.96	9.60	4.17	5.37	4.00	2.59	4.04	1.99	5.42
572	FLINTSTONE	C-4 PRIVATE	710	2.85	6.86	7.47	5.58	4.59	6.36	9.87	4.69	6.09	3.77	3.46	3.76	5.15	5.09
573	CHATTANOOGA AIRPORT (R)	C-3 USHB	671	2.72	6.23	6.93	5.11	5.02	6.05	8.49	4.03	6.40	4.16	3.29	4.21	5.93	5.34
574	CHICKAMAUGA PARK	C-4 USHB	789	2.72	6.23	6.93	5.11	5.02	6.05	8.49	4.03	6.40	4.16	3.29	4.21	5.93	5.34
575	KENNINGTON	C-4 TVA	820	2.98	6.06	6.73	5.75	5.18	5.18	7.00	4.09	7.17	3.91	2.01	3.26	6.11	6.11
576	LARIVETTE	C-4 USHB	810	2.66	5.32	6.20	5.63	6.30	5.22	4.60	5.34	3.01	3.56	4.36	3.96	3.01	5.26
577	FAIRVIEW	C-4 USHB	820	2.85	5.51	5.39	5.87	4.71	5.87	6.02	3.65	7.46	3.83	3.36	3.96	7.29	4.39
578	TUNNEL HILL	C-4 TVA	880	3.20	6.51	7.65	6.05	3.25	5.65	6.79	4.93	10.31	4.03	4.23	4.15	7.30	5.11
579	DAULTON	C-4 USHB	800	3.20	6.51	7.65	6.05	3.25	5.65	6.79	4.93	10.31	4.03	4.23	4.15	7.30	5.11

(R) Recorder at present.

(4) Interpolated or partly interpolated.

[illegible]

(d) Interpolated or partly interpolated. (R) Recorder at present.

ANNUAL 1955 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev. of Record	Yrs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total Nor'l	Total Nor'l	Y E A R	Depth of Snow (Inches)		
676	CLINCH RIVER BESOM MORRIS DAM (CONT'D)	E-3	CACCO	900	9	2.44	6.60	7.21	5.60	4.45	3.40	5.17	4.71	3.40	3.72	3.13	1.95	2.35	3.45	5.53	51.90	51.72	
711	OAK RIDGE, NEAR (R)	E-2	USWB	905	9	2.44	6.06	7.38	5.79	4.45	4.18	4.42	3.91	4.06	4.60	2.55	2.07	2.42	4.67	3.98	56.09	53.72	
169	CLINTON TVA MURPHY	E-2	TVA	850	67	2.12	5.31	6.41	5.20	4.26	4.15	3.02	5.19	1.52	3.96	4.03	2.42	2.42	3.67	4.04	46.02	51.1	
371	VASPER	E-2	TVA	1020	18	2.92	5.43	5.95	5.22	3.77	3.72	5.83	4.61	3.57	3.10	2.30	2.30	2.30	3.19	4.06	49.22	49.60	
321	MORRIS DAM	E-2	TVA	970	12	2.19	4.25	6.36	4.84	3.66	3.41	3.34	4.64	3.09	2.22	2.34	1.92	2.09	3.11	2.86	46.47	46.04	
323	MORRIS DAM	E-2	TVA	875	22	1.90	5.53	5.86	4.95	3.90	4.06	5.00	4.44	3.25	3.86	3.34	2.85	2.25	3.09	3.78	47.75	48.77	
594	CLINCH RIVER ABOVE MORRIS DAM	E-2	TVA	1410	14	2.50	5.98	7.14	5.38	3.22	3.21	4.46	4.50	1.64	4.50	2.63	2.56	2.30	2.56	4.11	4.76	44.50	53.06
523	TRULEY	E-2	USWB	1450	15	1.75	5.48	7.55	4.81	3.05	4.14	3.49	4.79	2.97	4.33	4.00	2.27	2.45	3.22	3.88	47.89	51.25	
325	ELK VALLEY, NEAR	E-2	TVA	1250	22	3.12	5.38	5.56	4.65	3.98	3.98	3.88	5.13	1.77	4.29	3.91	2.62	2.97	3.26	3.78	50.13	49.46	
423	LAFOLLETTE	E-2	TVA	1450	22	2.18	5.31	6.86	4.82	3.69	3.68	4.46	4.33	3.17	4.01	3.47	2.74	2.75	3.19	3.86	49.35	51.79	
423	WESGUMME SUBSTA.	E-2	TVA	1340	16	2.28	5.31	6.86	4.82	3.69	3.68	4.46	4.33	3.17	4.01	3.47	2.74	2.75	3.19	3.86	49.35	51.79	
343	ATHEHE	E-2	TVA	1150	20	2.27	5.75	6.05	5.09	3.52	3.52	4.54	4.34	3.23	4.29	2.80	2.34	2.20	3.57	3.90	44.74	48.00	
334	MIDDLESHORO	F-2	USWB	1128	64	1.82	4.43	6.19	4.20	3.86	4.38	2.27	4.05	5.07	4.56	2.64	2.61	2.50	2.49	3.89	3.37	49.40	48.87
335	ROSE HILL	F-2	TVA	1475	22	2.75	5.75	7.20	4.81	3.91	3.62	3.80	4.43	3.35	4.24	1.90	2.65	2.05	2.35	3.82	3.58	52.88	50.30
487	BAITEN, NEAR (R)	F-2	USWB	1175	16	2.25	5.05	6.11	4.21	3.29	3.29	3.69	4.17	3.69	4.94	1.80	4.41	1.76	2.06	3.08	3.37	42.61	41.11
339	JONESVILLE NO. 2	F-2	TVA	1375	21	2.27	5.66	7.27	4.72	3.19	3.66	3.09	3.75	4.69	4.39	1.79	2.41	2.62	2.25	2.94	3.31	48.47	48.83
340	PENNSVILLE GAP	F-2	USWB	1386	24	2.69	5.27	7.24	4.82	10.00	5.10	4.25	4.36	2.07	2.37	2.39	2.54	2.32	2.84	3.36	4.04	48.01	49.02
341	OLINGER	F-2	TVA	1400	21	2.34	5.31	7.16	4.33	3.45	2.73	4.15	4.33	1.16	2.67	3.44	2.28	2.97	3.25	3.97	3.86	48.68	48.47
344	HIGH KNOX (R)	O-2	TVA	1450	21	1.91	5.89	8.26	4.09	3.75	2.48	4.25	4.25	1.88	4.72	1.89	3.22	3.30	2.59	2.41	3.04	40.87	51.24
340	WISSE	O-2	USWB	2950	21	2.68	5.95	7.91	4.30	3.78	3.73	2.45	4.37	3.06	4.68	1.82	1.92	1.92	2.05	3.67	50.65	50.34	
342	DUNBAR, VIRGINIA	O-2	TVA	1950	21	1.97	5.23	7.72	4.66	3.47	3.05	2.49	3.60	3.12	3.42	3.61	2.29	1.96	2.13	2.91	3.52	41.41	41.17
327	WHITE BOLLON (R)	F-2	TVA	1500	21	2.12	5.04	6.06	4.81	3.91	3.62	3.32	3.48	3.32	3.48	3.32	3.48	3.32	3.48	3.32	3.48	41.41	41.17
353	WALSHES FORD	F-2	TVA	1080	15	2.35	4.80	6.18	4.54	3.21	2.92	4.01	2.92	3.36	3.82	2.79	2.59	2.05	2.61	2.88	3.13	41.41	41.17
336	HIG STAMORE (R)	F-2	TVA	2300	9	1.77	4.74	5.71	4.22	3.07	2.46	3.50	2.99	3.57	2.26	3.73	2.26	2.41	1.83	2.79	2.87	40.85	45.64
673	TRON HILL	F-2	TVA	1430	9	2.32	6.13	7.70	4.57	2.98	2.76	4.26	3.65	3.56	4.01	3.49	2.66	2.41	1.76	3.13	3.80	43.10	45.95
348	CLINTONPORT	O-2	TVA	1260	60	2.80	4.40	6.34	4.05	3.96	3.53	4.17	4.82	1.72	2.29	1.72	2.29	2.50	2.37	2.97	2.88	44.26	46.05
349	DUNCAN	O-2	TVA	2900	21	2.50	4.25	6.48	3.83	1.85	2.90	3.89	3.75	2.21	3.98	1.65	2.69	2.59	2.35	2.46	2.80	41.32	44.28
350	DANTE	O-2	USWB	1765	39	1.60	3.94	5.08	3.60	3.94	3.18	4.42	1.94	4.72	1.94	4.72	1.94	4.72	1.94	4.72	1.94	41.32	44.28
351	CLEVELAND, VIRGINIA	O-2	TVA	1940	22	2.80	3.89	5.17	3.50	10.63	4.39	2.07	3.87	1.21	3.87	1.59	2.91	3.21	2.32	2.17	2.85	39.34	43.00
352	BONKOR, NEAR	G-1	TVA	2800	21	2.28	3.88	5.02	3.49	2.25	2.25	2.21	4.64	1.85	3.28	1.85	3.28	1.85	3.28	1.85	3.28	41.86	45.77
353	JOHN SEVIER STEAM PLANT (R)	G-2	TVA	2340	7	2.35	3.99	5.39	3.77	2.35	2.35	2.35	4.64	1.85	3.28	1.85	3.28	1.85	3.28	1.85	3.28	41.86	45.77
355	STRING CREEK (R)	E-2	TVA	2340	7	2.35	3.99	5.39	3.77	2.35	2.35	2.35	4.64	1.85	3.28	1.85	3.28	1.85	3.28	1.85	3.28	41.86	45.77
356	SHORE CREEK	H-1	TVA	1900	21	2.28	3.88	5.02	3.49	2.25	2.25	2.21	4.64	1.85	3.28	1.85	3.28	1.85	3.28	1.85	3.28	41.86	45.77
353	JEWELL RIDGE	H-1	TVA	2750	21	3.34	3.78	6.07	3.44	3.01	3.01	2.86	4.51	1.62	2.94	2.94	2.86	2.94	2.86	2.94	2.86	42.06	43.50
357	TAZEWELL, VIRGINIA	H-1	TVA	2850	21	2.54	3.57	5.25	3.24	4.19	2.99	1.33	3.96	3.86	4.23	1.05	2.80	2.57	2.57	2.51	2.49	43.56	41.51
359	STANBERRY PLAINS	F-2	TVA	925	17	1.68	4.70	5.53	4.95	2.75	3.05	3.76	4.48	1.01	2.82	5.42	2.93	3.07	3.77	3.38	2.47	41.43	43.79
459	CHEROKEE DAM	F-2	TVA	1000	15	1.79	5.50	7.11	4.81	4.04	3.76	1.92	4.32	1.68	3.64	3.66	2.51	2.69	2.18	3.49	3.40	42.56	46.13
579	JEFFERSON CITY EVAP. STA.	F-2	TVA	1200	14	2.08	4.96	5.83	4.90	3.05	2.84	2.37	3.05	0.62	3.52	2.75	3.06	3.33	3.53	3.53	2.94	38.47	43.45
290	MORRISTOWN, NEAR	F-2	TVA	1325	21	1.59	5.23	5.96	4.84	2.80	3.40	1.59	5.15	0.83	4.04	3.01	2.98	2.56	2.17	3.73	3.60	39.47	47.61
346	FLAT GAP	F-2	TVA	2000	20	2.71	5.24	6.12	4.63	2.88	2.88	4.69	4.95	1.44	3.69	2.87	2.61	2.72	2.15	3.76	3.30	39.66	45.67
291	ROCKWELL	O-2	USWB	1375	71	1.93	4.99	6.88	4.15	3.16	3.37	3.16	3.58	1.33	3.68	2.77	2.60	3.50	2.68	2.90	3.79	43.18	43.50
727	JOHN SEVIER STEAM PLANT (R)	G-2	TVA	1112	3	2.06	4.25	5.15	4.35	3.16	3.37	3.16	3.58	1.33	3.68	2.77	2.60	3.50	2.68	2.90	3.79	43.18	43.50
347	LITTLE WAR GAP	F-2	TVA	2000	21	2.39	4.95	5.57	4.23	2.93	3.47	3.41	5.65	1.18	3.70	1.92	2.70	2.48	2.35	3.01	3.22	40.33	45.81
516	STANLEY KNOX (R)	G-2	TVA	1250	15	2.18	4.22	5.76	4.06	3.01	2.92	4.47	4.73	1.14	3.55	1.65	2.27	2.02	1.85	2.88	2.83	42.15	41.83
314	HIG KNOX (R)	O-2	TVA	1350	21	2.43	4.11	5.82	3.69	3.16	3.21	3.56	4.07	1.69	3.44	2.21	2.48	1.97	1.96	2.65	2.40	39.91	39.07
315	MEMPHIS	O-2	TVA	1350	21	2.68	4.11	5.50	3.68	2.95	3.21	3.18	4.35	1.05	3.44	2.24	3.05	2.23	2.89	2.62	2.74	39.45	40.33
316	HOLSTON	G-2	TVA	2550	21	1.90	3.82	5.66	3.60	3.03	3.03	3.77	4.57	2.00	3.52	1.37	2.94	2.36	2.24	2.23	1.66	39.49	40.44
318	SALVATILLE	H-2	TVA	1720	34	2.42	3.60	4.71	3.61	3.98	4.26	3.77	4.38	3.99	4.38	1.67	2.94	2.12	2.82	2.08	2.55	41.01	43.96
318	SALVATILLE	H-2	TVA	1725	15	1.85	3.69	4.55	3.04	3.54	2.63	3.77	4.05	4.33	1.55	2.77	2.20	1.87	2.02	2.55	1.98	41.26	40.61
320	HUGHES GARDEN	H-1	USWB	3075	60	3.04	4.68	5.91	3.59	4.76	3.60	2.93	4.42	1.89	2.70	2.10	2.88	2.10	2.88	2.10	2.88	40.01	46.04
293	KINGSFORD TEC	O-2	TVA	1200	1	2.54	4.15	5.15	4.35	2.93	3.47	3.41	5.65	1.18	3.70	1.92	2.70	2.48	2.35	3.01	3.22	40.33	45.81
293	KINGSFORD	O-2	TVA	1270	34	2.66	3.84	4.94	3.88	2.66	3.40	4.44	5.02	0.92	4.42	1.89	2.70	2.10	2.88	2.10	2.88	40.01	46.04
707	HOPE DAM	O-2	TVA	1334	5	1.71	3.20	4.49	3.43	2.36	2.36	7.64	1.16	1.16	1.47	2.88	2.88	2.88	2.88	2.88	2.88	41.89	41.24
707	HIG KNOX (R)	O-2	TVA	1334	5	1.71	3.20	4.49	3.43	2.36	2.36	7.64	1.16	1.16	1.47	2.88	2.88	2.88	2.88	2.88	2.88	41.89	41.24
684	NORTH BRITTON HUBSTA., VA.	O-2	TVA	1740	18	1.60	3.68	4.56	3.43	2.34	2.34	7.56	1.16	1.16	1.47	2.88	2.88	2.88	2.88	2.88	2.88	41.89	41.24
485	BRISTOL, VIRGINIA	O-2	USWB	1800	23	2.82	2.93	6.48	3.48	3.07	2.56	3.09	5.10	1.80	3.80	2.05	2.42	1.85	2.12				

TENNESSEE VALLEY AUTHORITY

ANNUAL 1955 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Year of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Year	Depth of Snow (inches)													
125	HINSHAW DAM (R)	E-3	TVA	1493	18	2.46	5.64	7.81	5.29	4.50	6.25	5.11	4.15	4.20	3.89	4.69	4.43	4.37	5.31	2.55	3.82	2.37	2.86	4.88	2.54	3.02	3.60	3.63	4.75	50.59	52.53	---	
125A	HINSHAW DAM NO. 2	E-3	TVA	1310	16	2.11	5.81	7.66	5.30	5.08	6.51	5.23	3.91	4.06	4.03	4.41	4.24	4.10	5.20	2.50	4.00	2.53	3.15	4.75	2.63	4.37	3.75	3.79	3.02	50.34	53.55	---	
126	BEAVERDAM CREEK	E-3	TVA	1500	21	2.11	7.49	9.17	6.36	6.36	7.57	7.30	5.41	5.67	4.73	5.18	5.21	11.92	7.31	2.83	4.75	3.30	3.62	4.88	3.49	4.28	4.49	4.28	6.04	68.69	67.32	1.7	
127	LETITIA	E-3	TVA	1800	18	2.99	6.13	8.44	5.66	5.69	6.77	5.64	4.45	4.93	4.18	2.64	4.85	6.18	2.33	2.43	2.75	3.25	2.68	4.81	3.88	4.09	5.33	56.18	57.79	56.18	57.79	---	
129	SHEET GAP (R)	E-4	TVA	1800	21	2.72	5.96	7.44	5.30	5.46	6.27	4.65	4.48	5.17	4.80	4.07	2.53	2.91	5.87	2.49	4.10	3.46	2.85	4.82	2.59	4.10	3.46	2.85	4.82	51.48	52.59	---	
130	NOTWIT DAM	E-4	TVA	1740	14	2.49	5.63	7.18	5.40	5.40	6.27	4.26	3.71	4.17	4.05	6.35	5.17	3.74	5.35	3.07	3.88	2.82	4.58	2.16	3.78	3.00	2.77	3.00	2.77	48.11	52.43	3.9	
131	ENGLEWOOD GAP	E-4	TVA	2090	23	2.64	5.60	7.61	5.28	6.70	6.00	3.95	3.45	3.07	3.82	4.68	3.78	3.00	2.77	3.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	50.11	52.43	3.9
133	BLAINSVILLE NO. 2	E-4	TVA	1825	23	2.92	5.82	6.35	5.18	6.32	5.38	4.01	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	50.11	52.43	3.9
134	CHERRY CREEK	E-4	TVA	1500	13	3.09	6.20	7.45	5.95	6.13	7.83	6.44	4.48	10.05	4.48	1.05	1.45	1.43	8.22	5.65	2.12	4.40	0.76	1.01	4.83	2.91	4.00	4.14	2.39	5.23	57.13	59.71	2.5
135A	CHERRY CREEK, RADIO	E-4	TVA	1500	14	2.5	6.82	6.6	6.00	5.2	6.79	4.63	4.90	9.4	4.26	1.2	1.73	1.62	6.9	6.30	1.6	3.55	0.6	1.21	4.3	3.62	3.38	4.27	2.06	5.83	48.9	57.74	64.22
136	MAKERS BRANCH STA. (R)	E-3	TVA	1575	61	2.25	5.62	6.31	5.18	5.23	5.97	5.19	4.28	4.02	4.28	2.90	4.31	4.28	6.30	5.34	1.6	3.55	0.6	1.21	4.3	3.62	3.38	4.27	2.06	5.83	50.60	55.00	---
138	TOMOTIA	F-3	TVA	1575	20	2.24	6.66	8.48	6.00	5.74	6.70	5.71	4.80	5.71	4.03	3.74	4.52	8.34	6.68	6.70	4.98	2.30	3.12	2.87	3.63	3.87	3.63	3.87	3.63	4.20	53.38	59.42	7
139	STATT CREEK	F-3	TVA	2450	21	2.90	8.65	7.62	7.13	7.09	8.25	6.60	5.65	8.00	5.31	4.45	5.59	5.65	7.27	4.80	5.80	3.82	3.82	4.45	3.59	4.45	4.45	4.45	4.45	4.45	65.33	73.19	6.5
141	ANDERS	F-3	USWB	1840	47	1.94	5.40	9.05	5.90	6.77	6.60	5.00	4.99	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	58.37	61.40	2.0
142	TEKALBALE BALD (R)	F-3	TVA	1750	18	2.71	7.50	10.21	6.54	7.31	7.64	5.76	4.90	5.46	4.87	3.05	5.68	6.82	6.75	5.60	5.07	2.33	3.85	5.09	2.71	4.21	4.21	4.21	4.21	4.21	61.26	66.75	0.2
146	YOUNG BARBIS, RADIO	F-4	TVA	1920	18	3.02	5.26	5.95	4.92	5.32	6.66	4.04	3.71	1.86	4.94	5.44	5.28	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	51.45	52.32	---
147A	YOUNG BARBIS, RADIO	F-4	TVA	1930	18	2.8	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	47.8	47.8	---
148	BRANSTOWN BALD (R)	F-4	TVA	1780	21	2.78	6.27	6.31	5.48	6.04	6.81	6.68	5.16	12.67	4.62	3.35	4.80	9.10	6.36	6.70	5.77	0.97	1.19	4.79	3.71	3.68	4.12	2.96	5.17	66.43	62.46	---	
149	MAKERS BRANCH STA. (R)	F-3	TVA	1575	61	2.25	5.62	6.31	5.18	5.23	5.97	5.19	4.28	4.02	4.28	2.90	4.31	4.28	6.30	5.34	1.6	3.55	0.6	1.21	4.3	3.62	3.38	4.27	2.06	5.83	50.60	55.00	---
149A	MAKERS BRANCH STA. (R)	F-3	TVA	1575	61	2.25	5.62	6.31	5.18	5.23	5.97	5.19	4.28	4.02	4.28	2.90	4.31	4.28	6.30	5.34	1.6	3.55	0.6	1.21	4.3	3.62	3.38	4.27	2.06	5.83	50.60	55.00	---
150	CHERRY CREEK	F-3	TVA	1500	13	3.09	6.20	7.45	5.95	6.13	7.83	6.44	4.48	10.05	4.48	1.05	1.45	1.43	8.22	5.65	2.12	4.40	0.76	1.01	4.83	2.91	4.00	4.14	2.39	5.23	57.13	59.71	2.5
151	CHERRY CREEK	F-3	TVA	1500	13	3.09	6.20	7.45	5.95	6.13	7.83	6.44	4.48	10.05	4.48	1.05	1.45	1.43	8.22	5.65	2.12	4.40	0.76	1.01	4.83	2.91	4.00	4.14	2.39	5.23	57.13	59.71	2.5
152	CHERRY CREEK	F-3	TVA	1500	13	3.09	6.20	7.45	5.95	6.13	7.83	6.44	4.48	10.05	4.48	1.05	1.45	1.43	8.22	5.65	2.12	4.40	0.76	1.01	4.83	2.91	4.00	4.14	2.39	5.23	57.13	59.71	2.5
153	LITTLE HUGHES	F-4	TVA	2150	21	3.41	5.65	6.23	5.32	5.89	7.16	6.18	5.24	8.28	4.16	1.62	4.79	6.91	6.35	2.80	5.33	1.46	4.99	5.0	3.49	3.49	3.49	3.49	3.49	3.49	51.40	50.93	7.0
154	TITUS	F-4	TVA	2180	14	3.26	5.97	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	53.4	53.4	---
154A	TITUS	F-4	TVA	2200	14	2.9	5.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	53.4	53.4	---
155	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
156	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
157	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
158	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
159	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
160	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
161	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
162	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
163	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
164	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
165	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
166	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
167	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
168	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7.84	7.53	5.75	11.50	5.10	3.49	5.11	14.47	7.85	5.19	7.21	1.37	5.02	3.4	4.51	3.33	5.12	2.29	6.55	69.27	73.87	---	
169	TRAY MOUNTAIN (R)	F-4	TVA	3500	21	2.47	7.52	8.57	6.59	5.72	7																						

TENNESSEE VALLEY AUTHORITY

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ANNUAL 1955 PRECIPITATION—In Inches

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*) Interpolated or partly interpolated. (R) Recorder at present.





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DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

PRECIPITATION IN TENNESSEE RIVER BASIN ANNUAL 1956

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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1956

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TENNESSEE VALLEY AUTHORITY

C. E. BLEE, Chief Engineer

DIVISION OF WATER CONTROL PLANNING

REED A. ELLIOT, Chief Water Control Planning Engineer

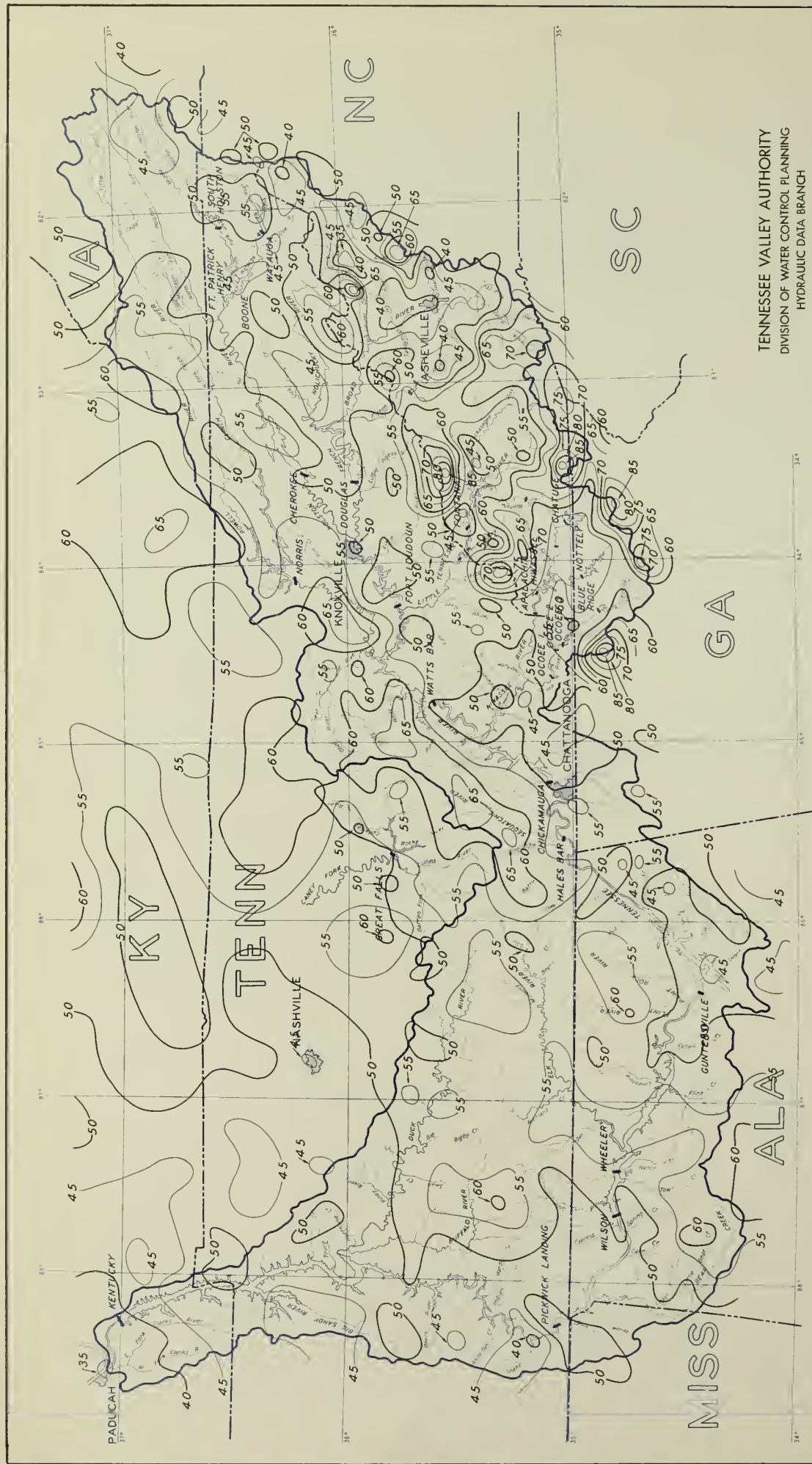
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ALBERT S. FRY, Chief of Branch

PRECIPITATION
IN
TENNESSEE RIVER BASIN

ANNUAL 1956





SYMBOLS:
— 60 — Rainfall in Inches
--- State Lines
— Dams

TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN
PRECIPITATION—YEAR 1956

SCALE 0 10 20 30 40 50 MILES

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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1956

Precipitation over the Tennessee River Basin during 1956 averaged 52.23 inches, 0.83 inch more than the 65-year mean of 51.40 inches. The Basin average was above the mean for the first time since 1951. In the area above Chattanooga, the 1956 average was 53.04 inches, 2.17 inches more than the 65-year mean of 50.87 inches. The average of 51.29 inches in the area below Chattanooga was 0.71 inch less than the long term mean of 52.00 inches.

Monthly precipitation in the Valley exceeded the 65-year mean in February, April, July, and December. Over half of the precipitation for the year occurred during these four months. The wettest month was February with 9.31 inches, and the driest was November with 2.48 inches.

The maximum station precipitation for the year was 86.38 inches at Flat Top, Georgia, located on the Blue Ridge Divide of the Toccoa River. This amount was 4.04 inches greater than the 20-year mean of 82.34 inches. Next highest annual totals for 1956 were 86.23 inches at Clingmans Dome, North Carolina, and 85.58 inches at Coweeta No. 8, North Carolina. Thirteen stations recorded more than 70 inches for the year. All were in the south-eastern part of the Valley.

The minimum station precipitation for the year was 30.43 inches at Daybook, North Carolina, in the Nolichucky River area. This amount was 9.71 inches below the 21-year mean at Daybook. The U. S. Weather Bureau station near Paducah, Kentucky, recorded 34.25 inches for the year. Nineteen other gages reported totals for 1956 of less than 40 inches.

The maximum station precipitation for a month was 17.21 inches in February at Coweeta No. 8, North Carolina, in the Little Tennessee River headwaters.

The minimum station precipitation occurred in September when the stations at Perryville and Pinewood, Tennessee, located in the western section of the Basin, completed the month with only a trace of rainfall.

The greatest precipitation recorded within 24 hours was 7.53 inches at Johnsonville Steam Plant on January 29-30, 1956. Heavy rain fell over a large part of the Basin during the storm of December 11-15, 1956, with storm totals ranging up to 9.51 inches. The greatest precipitation recorded within 24 hours during the December storm was 6.90 inches.

Among the watershed subdivisions, the maximum annual precipitation was 65.0 inches over the Sequatchie River area above Whitwell, Tennessee. The 21-year mean for this watershed is 55.0 inches. The minimum subdivision average precipitation in 1956 was 45.4 inches on the Tennessee River area below Johnsonville, Tennessee, 3.3 inches below the 21-year mean of 48.7 inches. Precipitation on all watershed subdivisions for 1956 is shown on the map on page 5 of this report. The tabulation on page 6 lists precipitation and runoff for the year for 14 selected watersheds in the Valley.

1956 Dec 15
57 div gage

The frontispiece of this report shows the distribution of 1956 precipitation over the Tennessee River Basin. In the southeastern part of the Basin, substantial variations in precipitation occurred within short distances, a characteristic of this region of high ridges and shielded valleys.

Snowfall was reported in the Tennessee River Basin in the first four months and last two months of the year. The heaviest amounts occurred in January when 70 percent of the annual total fell. The 1956 average for the Basin was 5.9 inches. The average in the Basin above Chattanooga was 9.3 inches and below that city 2.1 inches. The maximum for the Basin was 74.5 inches at Clingmans Peak in the Nolichucky River headwaters. This U. S. Weather Bureau station, at elevation 6525, was also a maximum in 1954 and 1955.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations in or near the Basin, together with isohyetal maps of monthly precipitation, maps of storms, tabulations of rainfall and runoff on selected watersheds, and other information.

Special Reports

Accompanying this report is a report on "Intense Storms Summer of 1956 In Tennessee Valley Region." Three other special storm investigations which were reported in 1956 monthly issues of this publication are listed below:

<u>Subject</u>	<u>Monthly Bulletin Containing Report</u>
Windstorms of February 17-18, 1956, In Tennessee Valley	February
Tornado of April 3, 1956, In the Beech River Watershed	April
Mid-December 1956 Storm In the Tennessee River Basin	December

TENNESSEE RIVER BASIN PRECIPITATION DURING 1956

Precipitation in Inches

<u>Month</u>	<u>Above</u> <u>Chattanooga</u> <u>1956</u>	<u>Below</u> <u>Chattanooga</u> <u>1956</u>	<u>Tennessee River Basin</u>			
			<u>1956</u>	<u>Mean</u>	<u>Deviation from Mean</u>	
					<u>Monthly</u>	<u>Cumulative</u>
January	2.80	4.31	3.51	4.95	-1.44	-1.44
February	8.94	9.73	9.31	4.71	+4.60	+3.16
March	5.24	3.78	4.56	5.57	-1.01	+2.15
April	5.94	5.91	5.93	4.38	+1.55	+3.70
May	3.48	2.97	3.24	4.12	-0.88	+2.82
June	2.96	3.76	3.33	4.25	-0.92	+1.90
July	6.06	3.91	5.06	4.93	+0.13	+2.03
August	2.69	3.41	3.03	4.26	-1.23	+0.80
September	3.80	1.49	2.72	3.16	-0.44	+0.36
October	2.48	2.66	2.56	2.83	-0.27	+0.09
November	2.70	2.23	2.48	3.45	-0.97	-0.88
December	5.95	7.13	6.50	4.79	+1.71	+0.83
Total	53.04	51.29	52.23	51.40		

Mean Precipitation figures are for the period 1890-1954.

ANNUAL STREAM FLOW IN INCHES - 1956

<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1956</u>	<u>Mean</u>	<u>1956</u>	<u>Mean</u>
Knoxville	17.17	19.37	18.25	19.36
Chattanooga	21.19	23.60	22.39	23.60

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1956 MONTHLY AND ANNUAL

Average Precipitation - Inches

Subdivision	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1956 Average	3.51	9.31	4.56	5.93	3.24	3.33	5.06	3.03	2.72	2.56	2.48	6.50	52.23
20 Yr. Average	5.70	5.40	5.49	4.12	3.92	3.92	4.90	3.99	2.97	2.41	3.68	4.56	51.06
Area Above Chattanooga	2.80	8.94	5.24	5.94	3.48	2.96	6.06	2.69	3.80	2.48	2.70	5.95	53.04
20 Yr. Average	5.08	4.96	5.27	3.80	3.95	4.12	5.48	4.30	3.04	2.51	3.39	4.30	50.20
Area Below Chattanooga	4.31	9.73	3.78	5.91	2.97	3.76	3.91	3.41	1.49	2.66	2.23	7.13	51.29
20 Yr. Average	6.40	5.90	5.75	4.48	3.89	3.68	4.23	3.64	2.89	2.31	4.03	4.84	52.04
French Broad Above Newport	1.81	7.56	4.42	5.64	3.12	3.02	6.52	2.23	6.03	3.31	2.06	4.41	50.13
20 Yr. Average	4.25	4.32	5.15	3.64	3.80	4.46	5.86	5.12	3.38	2.83	3.21	3.87	49.89
French Broad Above Douglas Dam	2.20	7.55	4.57	5.61	3.14	2.94	6.43	2.46	5.35	2.86	2.21	4.52	49.84
20 Yr. Average	4.27	4.27	4.90	3.53	3.71	4.18	5.68	4.64	3.18	2.62	3.12	3.69	47.79
Holston Above Cherokee Dam	2.42	7.22	5.03	5.55	3.83	2.70	6.48	2.74	4.21	1.69	2.53	4.40	48.80
20 Yr. Average	3.99	3.90	4.27	3.18	3.93	3.90	5.33	4.11	2.82	2.17	2.83	3.30	43.73
Holston and French Broad Above Knoxville	2.40	7.52	4.78	5.66	3.42	2.87	6.45	2.66	4.72	2.35	2.42	4.65	49.90
20 Yr. Average	4.24	4.21	4.67	3.41	3.81	4.04	5.51	4.38	3.02	2.42	3.03	3.58	46.32
Little Tennessee Above McGhee	2.63	10.35	5.97	5.95	3.78	3.21	6.42	2.07	4.07	3.21	2.82	7.03	57.51
20 Yr. Average	6.12	5.88	6.42	4.42	4.34	4.60	6.16	4.92	3.36	2.86	3.93	5.21	58.22
Little Tennessee Above Fontana Dam	2.41	10.26	5.94	6.23	3.84	3.31	6.73	2.23	4.46	3.47	2.39	7.40	58.67
20 Yr. Average	6.13	5.95	6.58	4.45	4.28	4.67	6.34	5.09	3.51	2.93	3.94	5.33	59.20
Clinch Above Norris Dam	3.02	8.64	6.06	5.89	4.08	3.29	6.21	3.12	3.16	1.57	2.71	5.13	52.88
20 Yr. Average	4.70	4.51	4.80	3.36	3.89	4.11	5.18	4.10	2.74	2.18	3.10	3.73	46.40
Hixassee Above Charleston	2.70	10.92	5.39	6.16	3.42	3.41	5.93	2.71	3.46	2.55	2.71	7.20	56.56
20 Yr. Average	5.92	5.88	6.34	4.46	4.13	4.47	5.90	4.59	3.23	2.77	3.78	5.21	56.68
Hixassee Above Hixassee Dam	2.42	10.75	5.34	6.21	3.54	3.39	6.59	2.90	3.59	2.83	2.27	7.73	57.56
20 Yr. Average	5.86	5.90	6.50	4.61	4.20	4.74	6.28	4.78	3.36	2.81	3.68	5.23	57.95

Note: 20 Year Averages Based on 1937-1956 Averages.

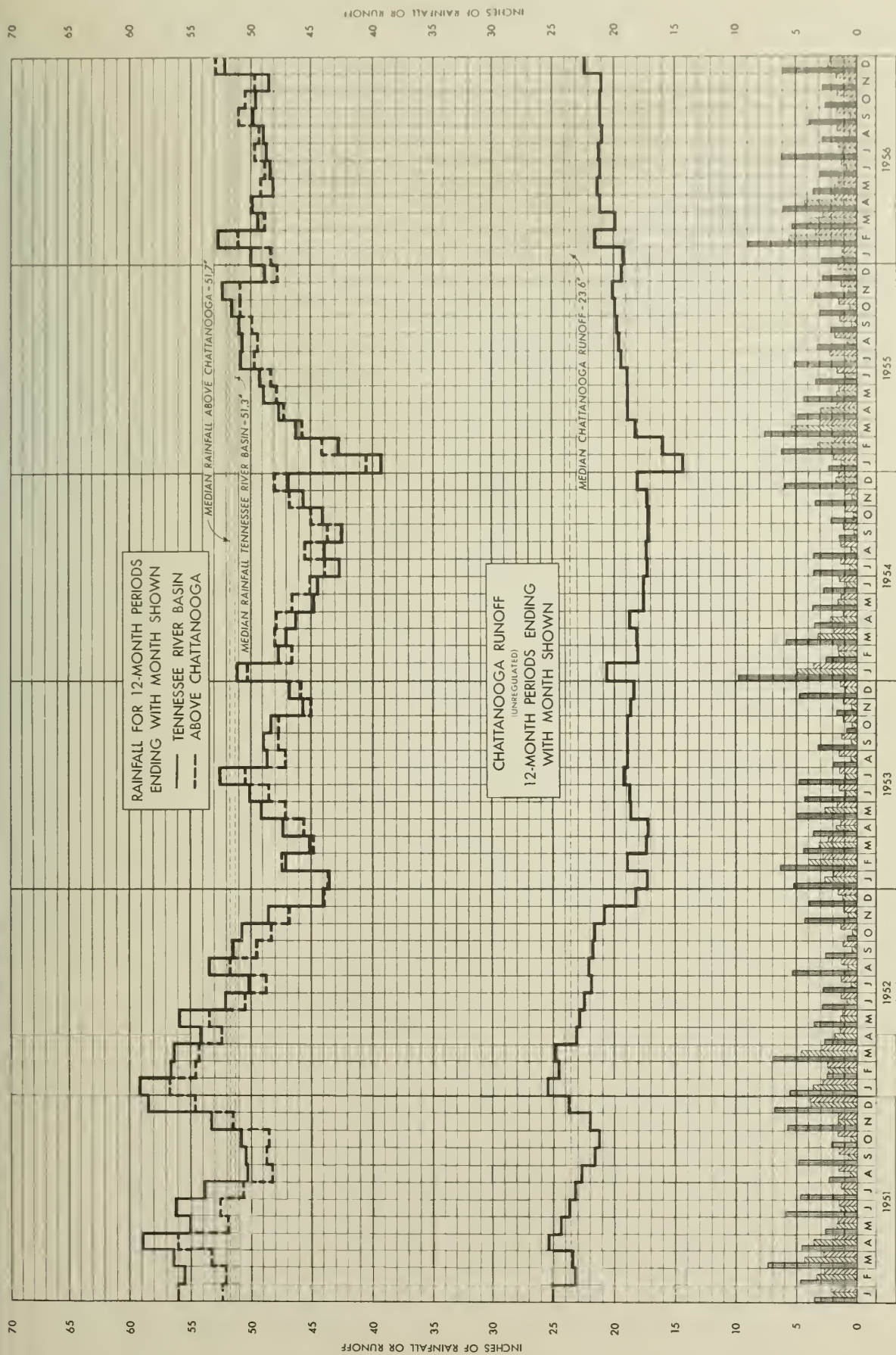


AREA NO.	AREA	AREA NO.	AREA	AREA NO.	AREA
1	Tennessee-Johnsonville to Mouth	72A	Little Tennessee-Bryson, Needmore and Nantahala to Fontana Dam	101	Pigeon-Canton to Hartford
4	Tennessee-Pickwick to Johnsonville	73	Tuckasee-Dillsboro to Bryson	105	Pigeon-Above Canton
7	Duck-Columbia to Mouth	74	Hiwassee-Needmore to Dillsboro	106	Pigeon-Broad-Ashville to Newport
10	Duck-Above Columbia	75	Little Tennessee-Above Needmore	110	French Broad-Bent Creek to Asheville
13	Buffalo-Above Loblaville	78	Nantahala-Above Nantahala	114	French Broad-Blantyre to Bent Creek
18	Hiwassee-Florence to Pickwick	84	French Broad and Holston-Douglas and Cherokee to Knoxville	117	French Broad-Above Blantyre
19	Hiwassee-Dickinson to Florence	87	Holston-Gale City and Kingsport to Cherokee Dam	121	Norichucky-Emoryville to Above Morristown
21	Shoal Creek-Above Iron City	88	North Fork of Holston-South Holston Dam and South Fork of Holston to Kingsport	125	Caney Fork-Above Great Falls Dam
22	Elk-Fayetteville to Prospect	89	Watauga Dam to Kingsport		
23	Elk-Above Fayetteville	92	South Fork of Holston-Above South Holston Dam		
26	Tennessee-Guntersville to Decatur	93	Watauga-Above Kingsport		
27	Flint-Above Chase	99	French Broad-Hartford, Newport and Bent Creek to Douglas Dam		
28	Paint Rock-Above Woodville				
30	Tennessee-Hales Bar to Guntersville				
33	Sequatchie-Above Whitwell				
34	Tennessee-Above Whitwell				
39	Tennessee-Watts Bar to Chickamauga				
40	Hiwassee-Reliance and Ocoee No. 1 to Charleston				
41	Ocoee-Blue Ridge to Ocoee No. 1				
46	Toccoa-Above Blue Ridge				
48	Hiwassee-Hiwassee Dam to Reliance				
49	Hiwassee-Murphy, Nollety Dam and Tomolla to Hiwassee Dam				
52A	Nollety-Above Nollety Dam				
52B	Hiwassee-Chattahoochee Dam to Murphy				
54A	Hiwassee-Above Tomolla				
55	Valley-Above Tomolla				
57	Tennessee and Clinch-Fort Loudoun to Watts Bar and Kingston to Norris Dam				
59	Emory-Above Oakdale				
62	Clinch-Arthur and Tazewell to Norris				
63	Powell-Above Arthur				
65	Clinch-Above Tazewell				
67	Tennessee-Knoxville to Fort Loudoun				
69	Little Tennessee-Caldwellwood to McGhee				
70	Little Tennessee-Fortona and Santeehah to Caldwellwood				
71	Creech-Above Santeehah				
72A	Little Tennessee-Bryson, Needmore and Nantahala to Fontana Dam				
73	Tuckasee-Dillsboro to Bryson				
74	Hiwassee-Needmore to Dillsboro				
75	Little Tennessee-Above Needmore				
78	Nantahala-Above Nantahala				
84	French Broad and Holston-Douglas and Cherokee to Knoxville				
87	Holston-Gale City and Kingsport to Cherokee Dam				
88	North Fork of Holston-South Holston Dam and South Fork of Holston to Kingsport				
89	Watauga Dam to Kingsport				
92	South Fork of Holston-Above South Holston Dam				
93	Watauga-Above Kingsport				
99	French Broad-Hartford, Newport and Bent Creek to Douglas Dam				
101	Pigeon-Canton to Hartford				
105	Pigeon-Above Canton				
106	Pigeon-Broad-Ashville to Newport				
110	French Broad-Bent Creek to Asheville				
114	French Broad-Blantyre to Bent Creek				
117	French Broad-Above Blantyre				
121	Norichucky-Emoryville to Above Morristown				
125	Caney Fork-Above Great Falls Dam				

RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

Stream	Station	Drainage Area sq.mi.	January 1 - December 31, 1956			Runoff in Percent of Rainfall	Rainfall Minus Runoff inches
			Rain- fall inches	Debar- ture inches	Run- off inches		
Big Sandy River	Bruceton	205	49.5	-3.8	18.0	36.4	31.5
Duck River	Hurricane Mills	2571	51.9	+0.7	19.8	38.2	32.1
Bear Creek	Bishop	667	54.4	+1.1	19.6	36.0	34.8
Elk River	Prospect	1784	53.8	-0.3	20.5	38.1	33.3
Paint Rock River	Woodville	320	54.7	-0.5	28.0	51.2	26.7
South Chickamauga Creek	Chickamauga	428	50.4	-3.3	19.2	38.1	31.2
Toccoa River	Dial	177	65.0	-0.9	32.1	49.4	32.9
Sewee Creek	Decatur	117	52.1	-0.8	21.5	41.3	30.6
Emory River	Oakdale	764	59.5	+7.2	31.6	53.1	27.9
Clinch River	Tazewell	1474	50.9	+6.5	21.5	42.2	29.4
Little Tennessee River	Needmore	436	60.7	+0.5	27.1	44.6	33.6
North Fork Holston River	Saltville	222	46.0	+5.5	18.9	41.1	27.1
Little Pigeon River	Sevierville	353	57.9	+4.5	22.4	38.7	35.5
French Broad River	Asheville	945	52.8	+3.5	18.6	35.2	34.2

Locations of watersheds are shown on the map "Average Precipitation on Watershed Subdivisions."
Runoff data are furnished by the U. S. Geological Survey and are tentative.



RAINFALL AND RUNOFF
IN THE
TENNESSEE RIVER BASIN

EVAPORATION DATA—YEAR 1956

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Paris, Tenn.	1.12a	1.59a	3.30	4.98	5.18	6.07	7.12	6.32	5.70	3.71	2.44	1.32	49.35a
Murphy, N. C.	0.85a	1.16	2.90a	3.84	5.31	5.52	5.14	5.35	3.71	2.50a	1.74a	0.72a	38.74a
Beetree Dam, N. C.	0.97a	1.34	2.92a	4.19	5.19	5.01	4.63	4.82	3.46	2.02	1.79a	1.19a	37.53a
Jefferson City, Tenn.	0.75	1.38	3.24	4.34	5.43	5.40	5.43	5.47	3.86	2.38	1.56	1.14	40.38
Precipitation (Inches)													
Paris, Tenn.	7.85	11.67	3.51	4.84	2.03	2.82	3.24	2.89	0.82	1.21	2.82	3.17	46.97
Murphy, N. C.	2.67	11.71	5.07	5.10	3.34	3.98	4.83	2.17	3.10	3.02	1.89	7.20	54.08
Beetree Dam, N. C.	1.21	5.31	4.56	5.00	2.38	2.60	6.96	2.28	5.98	2.92	1.96	4.41	45.57
Jefferson City, Tenn.	3.37	8.52	4.37	6.44	2.70	3.46	4.37	3.31	2.46	1.60	2.64	6.42	49.66
Average Air Temperature (Degrees F)													
Paris, Tenn.	34	45	49	57	69	74	77	77	70	62	45	45	59
Murphy, N. C.	35	46	47	52	66	69	73	73	65	58	43	45	56
Beetree Dam, N. C.	33	44	45	50	63	66	69	70	62	55	41	45	54
Jefferson City, Tenn.	33	45	48	54	67	71	73	73	64	60	44	47	57
Average Water Temperature (Degrees F)													
Paris, Tenn.	39a	48	54	62	74	80	85	83	73	67	51a	49	64a
Murphy, N. C.	40a	52	57	60	74	81	84	83	73	64	50	50	64a
Beetree Dam, N. C.	38a	44	49a	52a	68	73	77	76	67	58	45a	45a	58a
Jefferson City, Tenn.	39	49	56	59	74	80	84	82	73	65	50	50	63
Average Relative Humidity (Percent)													
Paris, Tenn.	73	79	64	62	74	72	72	71	64	70	67	76	70
Murphy, N. C.	80	81	72	66	75	80	84	80	82	82	80	86	79
Beetree Dam, N. C.	71	74	64	60	73	80	85	81	82	82	70	73	75
Jefferson City, Tenn.	76	77	60	60	70	75	82	78	80	92	87	80a	76a
Average Wind Velocity (Miles Per Hour)													
Paris, Tenn.	0.30	0.76	0.93	0.89	0.24	0.11	0.20	0.37	0.45	0.22	0.86	0.92	0.52
Murphy, N. C.	0.23	0.40	0.50	0.60	0.42	0.20	0.09	0.08	0.08	0.16	0.29	0.16	0.27
Beetree Dam, N. C.	1.79	1.84	1.77	1.86	0.93	0.49	0.35	0.31	0.44	0.59	1.02	1.13	1.04
Jefferson City, Tenn.	0.65	0.69	1.11	1.11	0.49	0.30	0.28	0.25	0.23	0.19	0.61	0.65	0.55

a = Partly computed.

MONTHLY AND ANNUAL RAINFALL AND RUNOFF

TENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
Rainfall in Inches 1890 - 1956													
1956	2.80	8.94	5.24	5.94	3.48	2.96	6.06	2.69	3.80	2.48	2.70	5.95	53.04
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	6.91	8.37	10.30	9.98	62.81
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.69	1.25	0.77	0.17	0.44	1.06	37.23
Mean	4.55	4.64	5.37	4.11	4.09	4.45	5.32	4.54	3.21	2.85	3.15	4.56	50.84
Median	4.23	4.47	5.16	4.05	3.80	4.47	5.07	4.18	3.08	2.48	2.91	4.20	51.92
Runoff in Inches 1874 - 1956 (Unregulated)													
1956	1.12	5.45	3.70	4.18	1.69	0.81	1.07	0.55	0.47	0.54	0.55	2.26	22.39
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean	3.06	3.24	3.78	2.95	2.01	1.44	1.34	1.15	0.86	0.79	1.08	1.90	23.60
Median	2.82	3.12	3.26	2.63	1.83	1.27	1.12	0.96	0.70	0.70	0.84	1.68	23.61
Runoff in Cubic Feet Per Second 1874 - 1956 (Unregulated)													
1956	20,700	108,100	68,600	80,200	31,400	15,600	19,900	10,300	9,100	10,000	10,600	41,900	35,200
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean	56,800	64,300	70,200	56,600	37,300	27,600	24,900	21,300	16,500	14,700	20,700	35,300	37,200
Median	52,300	61,900	60,500	50,400	34,000	24,400	20,800	17,800	13,400	13,000	16,100	31,200	37,200

PRECIPITATION STATISTICS FOR SELECTED STATIONSPrecipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>1956</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>Elizabethton, Tennessee (65 years)</u>						
January	3.45	8.13	1947	0.46	1896	1.95
February	3.36	7.59	1944	0.48	1906	7.07
March	4.30	10.72	1899	1.37	1937	4.52
April	3.33	6.05	1912	0.65	1942	4.59
May	4.11	7.73	1915	1.08	1941	4.19
June	4.71	16.38	1872	1.33	1946	2.02
July	5.20	10.56	1896	1.10	1872	6.95
August	4.39	12.14	1901	0.89	1896	3.15
September	2.92	7.61	1928	0.30	1903	5.59
October	2.45	7.61	1918	0.02	1904	1.05
November	2.30	5.02	1948	0.61	1931	2.16
December	3.31	9.87	1872	0.80	1935	3.69
Annual	43.83	58.91	1928	29.06	1941	46.93

Hendersonville, North Carolina (60 years)

January	4.71	12.40	1906	0.39	1907	1.49
February	4.64	10.73	1891	0.54	1930	7.52
March	5.41	11.67*	1891	0.96	1930	3.20
April	4.19	9.38	1920	0.43	1915	5.95
May	4.47	12.70	1942	0.95	1914	2.94
June	5.24	11.56	1934	0.96	1911	2.67
July	6.25	22.09	1916	1.74	1902	6.21
August	5.93	26.58	1901	0.49	1925	3.64
September	4.35	14.00	1906	0.22	1919	4.63
October	4.04	14.59	1918	0.01	1904	4.02
November	3.29	12.54	1948	0.21	1910	1.72
December	5.20	12.85	1918	0.93	1955	4.24
Annual	57.72	92.60	1901	32.55	1925	48.23

* Also Maximum for March 1952.

Knoxville, Tennessee (86 years)

January	4.74	16.98	1882	1.29	1907	3.22
February	4.75	12.52	1873	0.56	1898	7.95
March	5.15	13.35	1917	0.72	1910	4.16
April	4.25	17.32	1874	0.70	1942	6.16
May	3.76	8.81	1938	0.71	1941	3.22
June	4.15	11.83	1928	1.39	1936	3.58
July	4.62	13.16	1917	0.69	1901	6.07
August	3.89	11.33	1920	1.10	1953	1.93
September	2.81	10.78	1944	0.22	1879	1.82
October	2.49	9.51	1925	0.07	1904	1.49
November	3.29	11.69	1948	0.17	1890	2.59
December	4.37	12.34	1901	0.95	1896	7.34
Annual	48.27	73.87	1875	33.67	1930	49.53

PRECIPITATION STATISTICS FOR SELECTED STATIONS—ContinuedPrecipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>1956</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>Murphy, North Carolina (82 years)</u>						
January	5.64	14.85	1882	1.75	1907	2.55
February	5.64	15.10	1873	0.56	1906	11.11
March	6.33	15.34	1917	2.09	1918	4.90
April	4.74	15.40	1874	0.30	1915	5.04
May	4.01	11.25	1929	0.46	1941	3.07
June	4.99	9.31	1884	1.53	1936	3.80
July	5.73	13.42	1950	1.23	1901	4.55
August	5.02	13.96	1920	0.95	1953	2.17
September	3.24	7.44	1951	0.20	1876	3.08
October	3.04	9.27	1949	T	1904	2.95
November	3.72	13.18	1948	0.51	1924	1.85
December	5.29	12.98	1932	1.09	1898	6.97
Annual	57.39	84.80	1875	40.00	1940	52.04

Chattanooga, Tennessee (78 years)

January	5.26	14.74	1882	1.33	1907	2.60
February	5.07	12.30	1939	0.62	1941	9.48
March	5.89	14.05	1899	0.93	1910	3.80
April	4.67	15.29	1911	0.44	1942	5.52
May	3.92	12.00	1929	0.54	1941	3.01
June	4.06	9.40	1949	0.29	1931	1.42
July	4.68	13.49	1916	0.67	1902	3.49
August	3.84	12.36	1920	0.45	1929	4.50
September	3.00	9.18	1950	0.04	1919	1.43
October	2.98	11.91	1925	0.08	1938	3.85
November	3.52	13.59	1948	0.16	1890	2.11
December	5.11	11.69	1942	0.44	1839	5.12
Annual	52.00	72.37	1929	32.68	1904	46.33

Lewisburg, Tennessee (63 years)

January	5.30	17.05	1950	1.26	1943	4.79
February	5.20	13.14	1939	1.08	1941	9.18
March	5.93	12.50	1902	0.94	1910	3.96
April	4.49	12.60	1912	0.56	1915	4.36
May	4.01	8.50	1933	0.60	1941	2.40
June	4.00	13.46	1900	0.72	1899	2.96
July	4.38	9.85	1941	0.84	1954	3.83
August	4.01	11.40	1923	0.57	1909	3.88
September	3.01	8.87	1906	0.32	1927	1.52
October	2.91	8.88	1919	0.05	1924	3.60
November	3.68	10.27	1948	0.46	1953	2.10
December	4.89	11.71	1922	1.01	1928	9.69
Annual	51.81	66.62	1950	37.42	1904	52.27

PRECIPITATION STATISTICS FOR SELECTED STATIONS—ContinuedPrecipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u> <u>Amount</u>	<u>Year</u>	<u>Minimum</u> <u>Amount</u>	<u>Year</u>	<u>1956</u>
<u>Muscle Shoals, Alabama* (73 years)</u>						
January	5.19	13.09	1950	1.98	1914	2.76
February	5.19	13.64	1948	0.54	1941	7.73
March	5.83	16.15	1897	1.26	1910	3.12
April	4.59	16.07	1892	0.74	1930	9.23
May	3.91	11.29	1939	0.16	1941	0.51
June	4.07	13.87	1900	0.60	1897	2.90
July	4.48	14.60	1916	0.77	1935	3.96
August	3.81	10.60	1894	0.35	1948	2.75
September	2.93	7.87	1890	0.00	1897	1.03
October	2.62	11.05	1918	0.00	1924	3.32
November	3.46	11.39	1948	0.16	1949	0.94
December	4.90	14.59	1926	1.10	1889	7.39
Annual	50.98	76.21	1932	30.92	1943	45.64

* Before December 1940, this station was at Florence, Alabama.

Johnsonville, Tennessee (73 years)

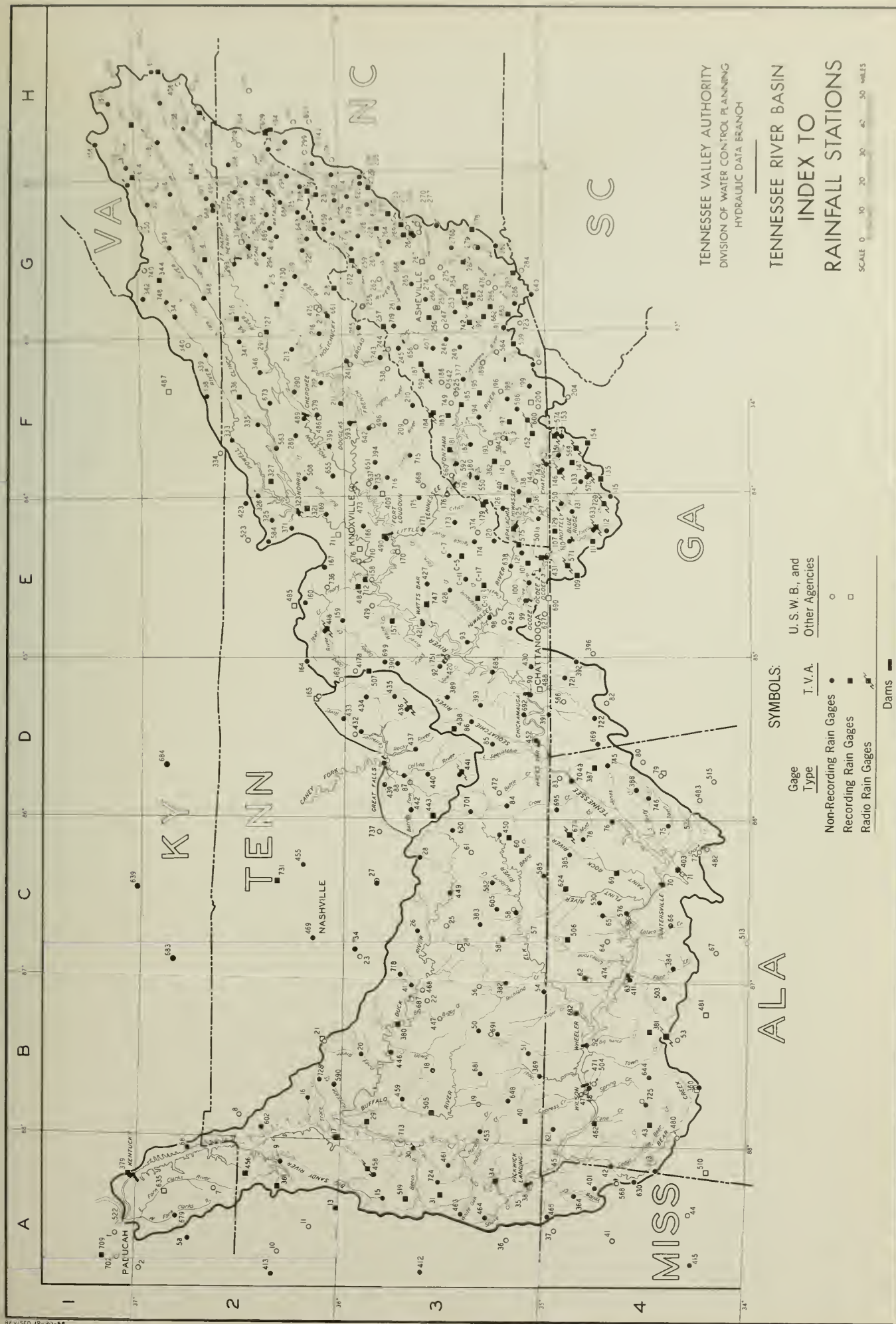
January	5.57	23.51	1937	0.64	1944	9.36
February	4.36	9.56	1939	0.79	1947	9.22
March	5.30	13.07	1927	0.59	1910	3.82
April	4.71	12.29	1892	0.53	1887	4.62
May	4.32	10.19	1909	0.48	1951	2.67
June	4.01	13.34	1928	0.37	1930	2.26
July	4.07	10.12	1892	0.06	1890	3.37
August	3.79	13.70	1914	0.34	1948	2.30
September	3.42	11.31	1921	0.00	1897	0.62
October	2.88	11.44	1919	T	1924	1.64
November	4.10	11.90	1906	0.74	1949	1.96
December	4.57	14.66	1926	0.05	1889	4.96
Annual	51.10	76.17	1950	33.97	1941	46.80

MAXIMUM PRECIPITATIONFOR VARIOUS TIME INTERVALS DURING 1956

<u>No.</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration hours</u>	<u>Precip- itation inches</u>
163	Grossville, Tenn.	July 16	0.5	1.47
381	Moulton, Ala. (R)	July 19	1.0	3.00
682	Shoemaker Springs, Ala.	July 14	1.4	4.73
17A	Johnsonville Steam Plant, Tenn. (R)	Jan. 29	16	5.96
17A	Johnsonville Steam Plant, Tenn. (R)	Jan. 29	24	7.53
725	Russellville, Ala.	Dec. 12-18	168	9.39
200C	Coweeta No. 8, N. C.	Feb. 1-29	696	17.21
200C	Coweeta No. 8, N. C.	Feb.-March	1440	25.58
200C	Coweeta No. 8, N. C.	Feb.-April	2160	35.95
200C	Coweeta No. 8, N. C.	Feb.-July	4368	55.45
200C	Coweeta No. 8, N. C.	Jan.-Sept.	6576	65.38
200C	Coweeta No. 8, N. C.	Jan.-Nov.	8040	73.89
109	Flat Top, Ga. (R)	Jan.-Dec.	8784	86.38

(R) Recording gage.

Figures in the "normal" column of the tabulation, Annual 1956 Precipitation, are determined as follows: For U. S. Weather Bureau stations the figures are normals computed by the Weather Bureau. For TVA and other agency stations with 15 or more years of record through 1954, the figures are normals adjusted to the 20-year period 1935-1954. For TVA and other agency stations with 5 to 15 years of record, the figures are running averages for the period of record. No means are listed for records of less than 5 complete years.



TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN INDEX TO RAINFALL STATIONS

SCALE 0 10 20 30 40 50 MILES

SYMBOLS:

Gage Type	T.V.A.	U.S.W.B. and Other Agencies
Non-Recording Rain Gages	•	○
Recording Rain Gages	■	□
Radio Rain Gages	▲	
Dams	—	

TENNESSEE VALLEY AUTHORITY

Sta. No.	Station Name and Location	Index	Owner	Elev.	Ira. of Record	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER			Y E A R																																																																																																																																																																																																																																																																																																																																																																			
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TENNESSEE RIVER - MOUTH TO JOHNSVILLE																																																																																																																																																																																																																																																																																																																																																																																																													
1	PADEBAR	A-1	USRB	333	75	3.09	5.00	5.41	3.90	1.69	5.28	3.74	4.48	5.44	4.02	1.32	3.70	3.46	3.03	4.94	3.30	0.91	3.36	1.52	2.75	5.54	3.72	2.89	3.55	37.97	45.92	5.6																																																																																																																																																																																																																																																																																																																																																																													
22	PADEBAR, NEAR (R)	A-1	USRB	344	16	3.34	4.65	5.94	3.80	2.10	4.67	4.47	5.51	5.51	4.47	1.24	3.50	1.94	2.68	4.03	2.92	0.56	2.81	1.24	2.62	2.66	3.49	2.13	3.23	34.25	42.78	5.6																																																																																																																																																																																																																																																																																																																																																																													
702	PADEBAR AIRPORT	A-1	USRB	504	7	2.61	5.73	6.86	4.49	1.90	4.47	3.76	3.96	4.45	3.99	1.61	3.71	3.03	3.08	3.13	3.26	2.87	3.23	1.42	2.27	3.12	3.46	3.09	3.75	37.25	45.40	5.5																																																																																																																																																																																																																																																																																																																																																																													
709	SHANTE STEAM PLANT	A-1	TVA	355	6	2.93	5.09	6.11	4.23	2.61	5.53	3.59	4.47	4.23	3.97	1.79	3.69	2.67	3.16	2.25	3.44	2.62	3.13	3.02	3.15	3.23	3.24	2.95	3.99	38.66	46.97	5.5																																																																																																																																																																																																																																																																																																																																																																													
379	KENTUCKY DAM	A-1	TVA	372	32	3.54	4.99	6.70	4.31	2.61	5.21	3.76	3.97	4.48	3.94	3.28	3.60	3.60	2.94	1.56	3.08	0.21	2.76	1.66	2.62	2.55	3.34	3.64	3.93	37.79	45.25	5.5																																																																																																																																																																																																																																																																																																																																																																													
379A	KENTUCKY DAM	A-1	TVA	362	12	3.61	4.99	7.32	4.31	2.66	5.21	3.99	3.97	4.52	3.94	3.20	3.60	3.95	2.94	1.74	3.08	0.29	2.76	1.79	2.60	2.63	3.92	3.33	3.93	39.03	45.25	3.5																																																																																																																																																																																																																																																																																																																																																																													
679	BICKSVILLE	A-2	TVA	440	9	4.55	5.97	7.04	5.35	4.29	5.78	4.42	3.82	3.25	4.09	3.97	3.78	4.61	3.23	2.24	3.64	1.43	2.61	1.43	2.61	2.55	3.49	3.15	5.10	40.49	51.11	2.4																																																																																																																																																																																																																																																																																																																																																																													
5	PAITFIELD	A-2	TVA	384	44	4.11	4.71	6.18	3.35	3.91	4.94	3.59	4.44	4.12	2.81	4.12	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISCONTINUED	DISC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ANNUAL 1956 PRECIPITATION—In Inches

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL	Yrs. of Record
TENNESSEE RIVER - JOHN DAYVILLE TO FLORENCE (CONT'D)																			
453	CLIFTON JUNCTION	B-3	TVA	474	17	3.41	6.32	5.21	3.23	5.75	4.47	4.94	3.21	3.62	5.68	3.86	2.36	3.24	2.33
460	VICTORY (R)	B-3	TVA	830	35	5.11	6.91	9.38	6.41	5.10	5.01	5.10	3.21	3.62	5.68	3.86	2.36	3.24	2.33
461	REAGAN (R)	A-3	TVA	570	35	4.16	7.20	9.19	4.86	2.62	3.28	3.85	3.28	3.85	5.68	3.86	2.36	3.24	2.33
463	EVILLE	A-3	TVA	287	17	4.15	7.44	10.00	5.87	2.70	3.47	4.10	2.80	3.47	4.08	3.65	1.25	3.48	3.33
464	SAVANNAH	A-3	TVA	440	71	4.22	6.88	8.06	4.74	2.42	3.18	3.74	2.42	3.18	4.08	3.65	1.25	3.48	3.33
465	SAVANNAH (R)	A-3	TVA	490	12	3.69	6.83	7.93	5.39	2.37	3.91	5.56	4.45	4.93	4.79	3.86	3.16	3.69	3.16
466	LEAFWOOD, NEAR	A-3	TVA	540	17	4.00	6.43	9.80	5.62	2.40	3.80	7.20	4.51	3.65	3.70	3.49	2.95	3.62	3.29
467	SEIZEN	A-3	USBR	475	46	3.80	7.15	8.22	5.74	2.36	3.67	6.59	4.60	3.76	4.57	3.79	1.95	3.20	3.76
468	SEIZEN	A-3	USBR	470	33	4.02	6.37	8.00	5.61	2.00	3.45	6.50	4.50	3.50	3.00	4.17	0.80	3.76	3.16
469	SEIZEN	A-4	TVA	510	17	6.47	7.50	9.70	6.91	3.47	5.99	7.07	5.04	2.92	4.01	4.51	1.91	3.56	2.92
470	SEIZEN	A-4	USBR	470	71	6.80	4.98	10.46	4.26	2.68	5.51	6.25	4.79	2.50	3.99	3.76	2.07	4.77	4.62
TENNESSEE RIVER - FLORENCE TO FLORENCE																			
471	PICKAWICK LANDING DAM	A-3	TVA	479	22	6.01	6.63	10.12	5.34	2.88	5.24	5.87	4.39	3.50	5.32	3.41	1.81	3.66	3.23
472	BURNVILLE SUBSTA.	A-4	TVA	452	19	5.76	6.52	10.08	5.84	2.44	5.80	8.46	4.71	2.96	4.25	3.07	2.40	3.61	3.97
473	MIDWAY	A-4	TVA	560	18	5.76	6.57	10.11	6.51	3.26	5.97	7.32	4.58	2.91	4.02	3.77	2.83	3.72	3.97
474	BOONVILLE	A-4	USBR	504	62	3.06	6.83	10.53	6.35	2.87	5.63	8.73	4.90	3.03	4.64	2.64	1.08	1.15	3.07
475	DISNEY	A-4	TVA	470	22	2.66	6.88	8.79	6.35	4.21	6.53	9.04	5.02	2.10	3.74	3.06	3.39	1.74	4.52
476	BELMONT (R)	B-4	TVA	800	22	2.29	6.37	8.45	6.13	1.02	6.67	10.33	4.61	2.63	5.11	1.59	1.59	1.59	2.06
477	RUSSELLVILLE	B-4	TVA	740	4	2.86	6.41	9.42	6.36	3.39	6.31	9.42	4.34	3.97	5.11	1.59	1.59	1.59	2.06
478	IRBOWING	A-4	USBR	790	16	2.56	6.55	8.33	6.36	2.91	6.31	9.42	4.34	3.97	5.11	1.59	1.59	1.59	2.06
479	BELMONT, NEAR	A-4	TVA	585	14	2.78	7.31	7.56	7.56	3.65	7.16	12.23	5.55	3.47	3.92	2.19	2.42	3.39	4.12
480	RED BAY	A-4	TVA	680	16	2.79	6.31	7.39	6.32	3.58	6.97	10.67	4.64	2.72	3.94	1.71	2.62	3.86	4.44
481	BOONES	B-4	USBR	870	19	2.69	6.32	10.03	6.82	4.06	6.30	8.99	4.89	2.99	3.73	3.69	3.86	1.31	4.30
482	BEAR (R)	A-4	USBR	529	16	2.37	6.13	7.36	5.51	3.74	5.42	8.98	4.62	2.91	3.93	3.86	4.58	4.57	2.59
483	FULTON	A-4	USBR	715	46	2.41	6.62	7.66	5.51	3.74	5.42	8.98	4.62	2.91	3.93	3.86	4.58	4.57	2.59
484	HALEYVILLE	B-4	USBR	910	2	2.49	6.13	11.93	6.36	3.39	6.31	9.42	4.34	3.97	5.11	1.59	1.59	1.59	2.06
485	HALEYVILLE	B-4	TVA	947	20	2.46	7.18	11.25	6.08	4.62	6.99	7.68	4.54	3.51	4.01	4.57	2.72	5.35	4.21
486	YOUNG STORE, NEAR	B-4	TVA	790	12	5.08	7.55	9.94	6.79	3.04	6.68	10.07	4.67	1.92	3.77	3.72	2.87	3.63	4.45
487	COLDEN STAN PLANT (R)	B-4	TVA	479	5	2.74	8.27	2.82	7.02	1.86	5.23	5.94	4.90	0.32	5.94	4.90	4.90	4.90	4.90
TENNESSEE RIVER - FLORENCE TO GUNTERVILLE																			
488	FLORENCE, AT LOCK	B-4	USBR	440	21	3.22	6.01	8.88	6.02	2.95	5.71	8.66	4.18	1.82	3.18	4.25	3.15	5.29	4.01
489	FLORENCE	B-4	USBR	598	59	4.34	6.01	8.84	6.02	2.95	5.71	8.66	4.18	1.82	3.18	4.25	3.15	5.29	4.01
490	MUSKOGEE SHOALS	B-4	USBR	534	73	2.76	6.01	7.73	6.02	3.12	5.71	9.23	4.18	0.51	3.18	2.90	3.15	3.96	4.01
491	MUSKOGEE DAM	B-4	TVA	620	23	3.21	6.35	9.16	6.15	2.97	5.71	8.13	4.31	1.76	3.17	4.03	3.25	5.01	3.94
492	YOUNG STORE	B-3	TVA	620	31	3.21	6.35	9.16	6.15	2.97	5.71	8.13	4.31	1.76	3.17	4.03	3.25	5.01	3.94
493	COLLINGSWOOD	B-3	TVA	990	8	4.68	7.44	9.67	7.30	3.63	6.65	4.95	4.95	2.93	4.25	5.95	3.82	4.15	3.65
494	OWILLA	B-3	TVA	970	9	4.84	7.97	10.40	6.95	3.79	6.50	4.84	4.92	4.19	3.93	5.79	3.77	4.51	4.48
495	LORETO	B-3	TVA	840	29	4.60	6.80	9.00	6.29	3.09	6.22	5.04	4.46	1.33	3.01	6.64	3.13	1.90	5.18
496	LAURENCEBURG	B-3	TVA	840	8	5.52	8.49	9.35	7.36	3.58	6.62	4.13	4.82	1.15	4.14	5.59	3.53	4.50	4.50
497	LAURENCEBURG	B-3	TVA	947	2	4.21	6.22	9.48	6.04	3.74	5.35	4.64	4.42	3.03	3.63	6.61	3.27	1.85	4.46
498	REPAIR	B-3	TVA	600	13	2.11	6.97	9.09	6.69	4.19	6.00	10.60	5.14	2.10	3.58	6.02	3.82	1.78	4.57
499	ETTERIDGE	B-4	TVA	580	21	3.53	6.53	8.95	6.05	3.81	5.99	8.63	4.19	1.88	3.81	4.70	3.45	4.34	4.35
500	MEWEL DAM	B-4	TVA	610	19	4.05	8.36	9.97	6.39	2.56	5.95	8.04	4.39	1.88	3.81	4.70	3.45	4.34	4.35
501	SPIDAKER SPRINGS	B-4	TVA	545	18	2.35	5.93	9.35	5.92	3.76	5.71	6.79	3.63	3.08	3.25	6.32	3.77	5.26	3.65
502	MOULTON (R)	B-4	TVA	545	18	2.35	5.93	9.35	5.92	3.76	5.71	6.79	3.63	3.08	3.25	6.32	3.77	5.26	3.65
503	MOULTON, RADIO	B-4	TVA	990	1	2.24	5.92	9.2	5.67	3.3	6.27	6.9	4.34	2.4	4.09	3.56	7.0	4.62	2.3
504	CENTRAL TOWER	B-4	USBR	1500	22	2.54	5.92	12.26	5.67	4.22	6.27	7.42	4.34	2.4	4.09	3.56	7.0	4.62	2.3
505	ADDITION (R)	B-4	USBR	575	19	1.68	5.94	12.26	5.67	4.22	6.27	7.42	4.34	2.4	4.09	3.56	7.0	4.62	2.3
506	ATLANTA, ALABAMA	C-4	USBR	720	1	2.70	6.99	7.69	5.73	3.27	6.29	8.35	4.15	2.29	3.33	5.45	3.35	2.93	4.38
507	ATLANTA, ALABAMA	C-4	USBR	575	78	2.21	5.96	9.22	5.51	3.65	5.77	7.26	4.33	3.34	3.12	4.88	3.15	3.80	4.45
508	DECATUR	C-4	USBR	575	78	2.21	5.96	9.22	5.51	3.65	5.77	7.26	4.33	3.34	3.12	4.88	3.15	3.80	4.45
509	DECATUR NO. 1	C-4	TVA	565	10	2.42	5.96	10.02	5.51	3.67	5.77	6.99	4.33	3.34	3.12	4.88	3.15	3.80	4.45
510	DECATUR NO. 2	C-4	TVA	565	10	2.42	5.96	10.02	5.51	3.67	5.77	6.99	4.33	3.34	3.12	4.88	3.15	3.80	4.45
511	DANVILLE	C-4	TVA	595	16	1.67	5.62	10.46	5.91	3.05	5.88	6.64	3.88	3.06	3.10	7.73	3.19	3.15	4.22
512	FAIRVIEW	C-4	TVA	620	18	2.13	5.91	10.21	6.10	4.13	5.95	5.47	3.53	3.53	3.53	3.53	3.53	3.53	3.53
513	CARLETON	C-4	USBR	540	27	2.35	5.95	7.66	5.16	3.74	6.07	7.22	3.99	2.69	3.18	3.37	5.69	2.8	4.66
514	BELLE MINA, NEAR	C-4	USBR	600	27	2.35	5.95	7.66	5.16	3.74	6.07	7.22	3.99	2.69	3.18	3.37	5.69	2.8	4.66
515	MADISON	C-4	USBR	670	63	2.78	5.70	9.71	5.45	3.72	6.11	6.78	4.41	2.71	3.46	3.80	3.39	3.78	4.3
516	BUNTSVILLE SUBSTA.	C-4	TVA	615	38	2.67	5.76	9.23	5.24	3.37	5.73	6.66	4.46	2.71	3.46	3.80	3.39	3.78	4.3
517	CENTER GROVE	C-4	TVA	780	21	1.94	6.06	11.08	6.39	4.80	6.69	5.48	5.0	3.36	3.68	3.61	4.66	3.1	4.98
518	ST. BERNARD	C-4	USBR	802	50	1.66	6.06	11.09	5.66	5.11	6.21	6.05	4.34	3.41	3.90	3.48	3.44	4.43	4.43
519	FAIRLEY	C-4	USBR	641	15	2.16	5.72	10.21	6.41	3.90	6.07	6.10	4.30	3.68	3.91	3.68	3.91	3.12	4.4
520	REKSTONE ARSENAL	C-4	USBR	573	2	1.66	6.06	11.09	5.66	5.11	6.21	6.05	4.34	3.41	3.90	3.48	3.44	4.43	4.43

(#) Interpolated or partly interpolated. (R) Recorder at present.

TENNESSEE VALLEY AUTHORITY

[illegible]

ANNUAL 1956 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

TENNESSEE VALLEY AUTHORITY

Sta. No.	Station Name and Location	Index	Owner	Elev.	Year of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Year of Record	Depth of Snow (Inches)				
TENNESSEE RIVER ABOVE BIRMINGHAM DAM																								
125	BIRMINGHAM DAM (R)	E-3	TVA	1103	19	2.58	5.84	10.71	5.16	5.41	6.36	5.23	4.33	3.79	3.47	4.01	3.47	3.79	3.96	7.30	4.30	51.69	52.12	
125A	BIRMINGHAM DAM NO. 2	E-3	TVA	1310	17	2.50	5.62	10.92	5.65	5.54	6.45	4.92	3.97	3.12	3.97	2.07	4.11	5.29	2.06	3.89	7.10	5.18	51.48	51.43
126	HEAVEN DAM CREEK	E-3	TVA	1500	22	3.43	7.74	13.19	6.22	3.94	7.63	5.22	5.32	3.94	4.68	3.14	5.21	7.98	1.60	5.85	10.03	6.28	64.59	67.45
127	LETITIA	E-3	TVA	1800	19	2.94	6.33	12.06	5.50	5.69	6.84	4.98	4.89	2.94	4.04	2.75	4.39	4.08	4.28	3.85	8.65	5.42	56.80	57.54
127A	SHEET DAM	E-4	TVA	1800	22	2.31	6.13	10.50	5.19	4.63	6.15	4.26	5.10	2.68	4.18	2.54	3.52	1.77	7.15	5.03	56.80	57.54		
128	ANTHONY	E-4	TVA	1970	1																			
TENNESSEE RIVER BELOW BIRMINGHAM DAM																								
129	NOTLEY DAM	E-4	TVA	1740	15	2.22	5.41	10.17	5.72	4.44	6.15	4.27	5.63	3.75	4.35	4.00	4.01	2.41	7.21	5.37	59.43	59.60		
131	EMPHOS GAP	E-4	TVA	2050	22	2.29	5.74	10.20	5.16	4.88	5.26	4.12	5.64	2.64	4.60	3.83	2.92	2.63	7.15	4.61	54.13	52.66		
133	ELMFIELD NO. 2	E-4	TVA	1825	24	2.04	5.62	9.85	5.28	4.60	6.26	4.12	5.47	4.00	4.57	3.08	3.30	2.87	6.03	4.76	51.90	52.99		
170	CHESNEY	E-4	TVA	1200	14	2.44	5.93	10.23	6.25	2.86	4.36	5.32	5.63	3.75	4.35	4.00	4.01	2.41	7.21	5.37	59.43	59.60		
170A	CHESNEY, RADIO	E-4	TVA	1200	15	1.99	5.93	10.23	6.25	2.86	4.36	5.32	5.63	3.75	4.35	4.00	4.01	2.41	7.21	5.37	59.43	59.60		
175	NEEL GAP (R)	E-4	TVA	3300	22	2.09	7.05	9.30	5.94	4.77	6.90	7.41	6.19	1.83	6.35	3.86	3.96	4.01	4.62	10.46	6.02	67.09	64.53	
176	MURPHY EVAPORATION STA. (R)	E-3	TVA	1275	52	2.55	6.37	11.11	5.34	4.90	6.56	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176A	WATKINS CREEK	E-3	TVA	1275	11	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176B	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176C	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176D	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176E	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176F	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176G	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176H	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176I	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176J	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176K	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176L	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176M	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176N	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176O	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176P	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176Q	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176R	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176S	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176T	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176U	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176V	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176W	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176X	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176Y	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
176Z	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
177	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
178	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
179	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
180	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
181	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
182	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
183	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17	4.30	3.08	3.11	2.55	7.21	5.37	59.43	59.60		
184	WATKINS CREEK	E-3	TVA	2050	22	3.32	7.13	11.76	7.16	6.52	8.27	4.55	6.01	2.17										

ANNALS OF THE TOWN OF

ANNUAL 1956 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

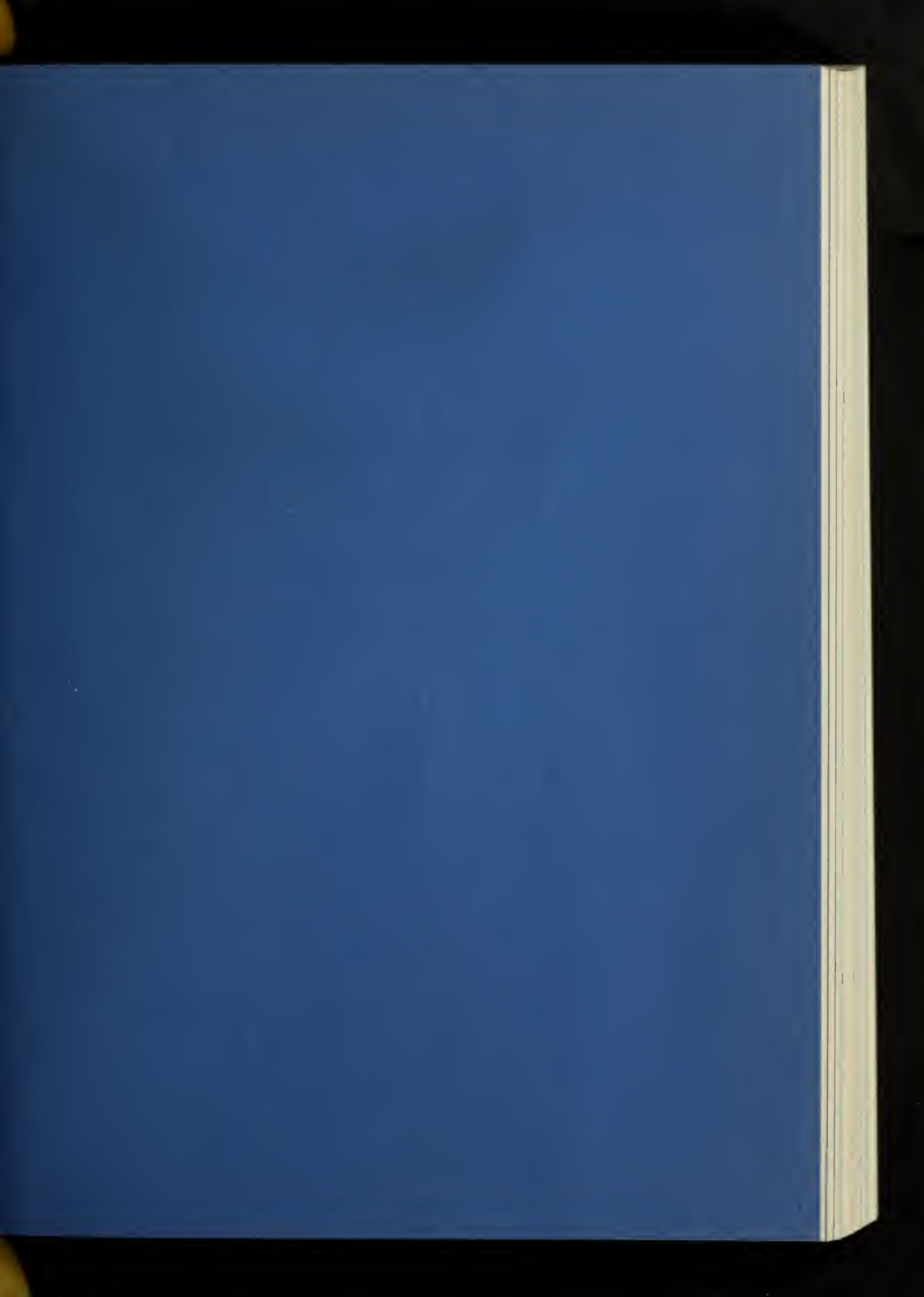
Sta. No.	Station Name and Location	Index	Owner	Elev.	Year of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL	Mo't		
196	FRANKLIN POWERHOUSE	F-3	REC	2000	23	2.07	5.37	9.05	4.49	5.36	3.05	3.30	3.03	4.34	5.19	5.25	3.56	4.49	4.71	3.27	
197	FRANKLIN	F-3	USWB	2130	16	2.01	4.67	8.03	4.98	3.41	3.95	4.59	4.01	4.80	5.19	5.25	3.56	4.49	4.71	3.27	
198	CARTERSVILLE CREEK	F-3	TVA	2200	15	1.13	2.91	10.77	6.31	5.97	3.68	4.25	3.68	4.32	6.31	5.19	1.86	4.59	5.19	4.10	
199	MAYAB BALD (R)	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
200	OTTO	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
201	MT. LE CONTE	F-3	USFS	3400	21	2.98	9.50	17.07	9.09	8.37	10.83	10.37	7.04	5.40	5.69	5.12	6.50	8.76	1.59	7.29	
202	CONTESSA NO. 8	F-3	USFS	2875	22	2.32	7.30	13.07	6.81	6.42	7.99	9.02	5.40	4.66	3.14	4.93	3.14	3.02	5.27	7.75	
203	CONTESSA NO. 1 (R)	F-3	TVA	3800	15	1.84	8.31	13.94	6.82	4.99	6.67	8.57	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
204	BIGLANDS, NEAR	F-3	USWB	3350	66	1.87	7.46	12.91	6.47	5.10	8.04	8.94	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
205	CLAYTON	F-4	USWB	2180	62	2.23	6.59	12.77	6.18	5.30	7.39	9.69	5.67	2.90	4.33	2.70	5.14	8.11	6.28	6.10	4.26
206	FRANKLIN POWERHOUSE	F-3	REC	2000	23	2.07	5.37	9.05	4.49	5.36	3.05	3.30	3.03	4.34	5.19	5.25	3.56	4.49	4.71	3.27	
207	FRANKLIN	F-3	USWB	2130	16	2.01	4.67	8.03	4.98	3.41	3.95	4.59	4.01	4.80	5.19	5.25	3.56	4.49	4.71	3.27	
208	CARTERSVILLE CREEK	F-3	TVA	2200	15	1.13	2.91	10.77	6.31	5.97	3.68	4.25	3.68	4.32	6.31	5.19	1.86	4.59	5.19	4.10	
209	MAYAB BALD (R)	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
210	OTTO	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
211	MT. LE CONTE	F-3	USFS	3400	21	2.98	9.50	17.07	9.09	8.37	10.83	10.37	7.04	5.40	5.69	5.12	6.50	8.76	1.59	7.29	
212	CONTESSA NO. 8	F-3	USFS	2875	22	2.32	7.30	13.07	6.81	6.42	7.99	9.02	5.40	4.66	3.14	4.93	3.14	3.02	5.27	7.75	
213	CONTESSA NO. 1 (R)	F-3	TVA	3800	15	1.84	8.31	13.94	6.82	4.99	6.67	8.57	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
214	BIGLANDS, NEAR	F-3	USWB	3350	66	1.87	7.46	12.91	6.47	5.10	8.04	8.94	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
215	CLAYTON	F-4	USWB	2180	62	2.23	6.59	12.77	6.18	5.30	7.39	9.69	5.67	2.90	4.33	2.70	5.14	8.11	6.28	6.10	4.26
216	FRANKLIN POWERHOUSE	F-3	REC	2000	23	2.07	5.37	9.05	4.49	5.36	3.05	3.30	3.03	4.34	5.19	5.25	3.56	4.49	4.71	3.27	
217	FRANKLIN	F-3	USWB	2130	16	2.01	4.67	8.03	4.98	3.41	3.95	4.59	4.01	4.80	5.19	5.25	3.56	4.49	4.71	3.27	
218	CARTERSVILLE CREEK	F-3	TVA	2200	15	1.13	2.91	10.77	6.31	5.97	3.68	4.25	3.68	4.32	6.31	5.19	1.86	4.59	5.19	4.10	
219	MAYAB BALD (R)	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
220	OTTO	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
221	MT. LE CONTE	F-3	USFS	3400	21	2.98	9.50	17.07	9.09	8.37	10.83	10.37	7.04	5.40	5.69	5.12	6.50	8.76	1.59	7.29	
222	CONTESSA NO. 8	F-3	USFS	2875	22	2.32	7.30	13.07	6.81	6.42	7.99	9.02	5.40	4.66	3.14	4.93	3.14	3.02	5.27	7.75	
223	CONTESSA NO. 1 (R)	F-3	TVA	3800	15	1.84	8.31	13.94	6.82	4.99	6.67	8.57	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
224	BIGLANDS, NEAR	F-3	USWB	3350	66	1.87	7.46	12.91	6.47	5.10	8.04	8.94	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
225	CLAYTON	F-4	USWB	2180	62	2.23	6.59	12.77	6.18	5.30	7.39	9.69	5.67	2.90	4.33	2.70	5.14	8.11	6.28	6.10	4.26
226	FRANKLIN POWERHOUSE	F-3	REC	2000	23	2.07	5.37	9.05	4.49	5.36	3.05	3.30	3.03	4.34	5.19	5.25	3.56	4.49	4.71	3.27	
227	FRANKLIN	F-3	USWB	2130	16	2.01	4.67	8.03	4.98	3.41	3.95	4.59	4.01	4.80	5.19	5.25	3.56	4.49	4.71	3.27	
228	CARTERSVILLE CREEK	F-3	TVA	2200	15	1.13	2.91	10.77	6.31	5.97	3.68	4.25	3.68	4.32	6.31	5.19	1.86	4.59	5.19	4.10	
229	MAYAB BALD (R)	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
230	OTTO	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
231	MT. LE CONTE	F-3	USFS	3400	21	2.98	9.50	17.07	9.09	8.37	10.83	10.37	7.04	5.40	5.69	5.12	6.50	8.76	1.59	7.29	
232	CONTESSA NO. 8	F-3	USFS	2875	22	2.32	7.30	13.07	6.81	6.42	7.99	9.02	5.40	4.66	3.14	4.93	3.14	3.02	5.27	7.75	
233	CONTESSA NO. 1 (R)	F-3	TVA	3800	15	1.84	8.31	13.94	6.82	4.99	6.67	8.57	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
234	BIGLANDS, NEAR	F-3	USWB	3350	66	1.87	7.46	12.91	6.47	5.10	8.04	8.94	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
235	CLAYTON	F-4	USWB	2180	62	2.23	6.59	12.77	6.18	5.30	7.39	9.69	5.67	2.90	4.33	2.70	5.14	8.11	6.28	6.10	4.26
236	FRANKLIN POWERHOUSE	F-3	REC	2000	23	2.07	5.37	9.05	4.49	5.36	3.05	3.30	3.03	4.34	5.19	5.25	3.56	4.49	4.71	3.27	
237	FRANKLIN	F-3	USWB	2130	16	2.01	4.67	8.03	4.98	3.41	3.95	4.59	4.01	4.80	5.19	5.25	3.56	4.49	4.71	3.27	
238	CARTERSVILLE CREEK	F-3	TVA	2200	15	1.13	2.91	10.77	6.31	5.97	3.68	4.25	3.68	4.32	6.31	5.19	1.86	4.59	5.19	4.10	
239	MAYAB BALD (R)	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
240	OTTO	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
241	MT. LE CONTE	F-3	USFS	3400	21	2.98	9.50	17.07	9.09	8.37	10.83	10.37	7.04	5.40	5.69	5.12	6.50	8.76	1.59	7.29	
242	CONTESSA NO. 8	F-3	USFS	2875	22	2.32	7.30	13.07	6.81	6.42	7.99	9.02	5.40	4.66	3.14	4.93	3.14	3.02	5.27	7.75	
243	CONTESSA NO. 1 (R)	F-3	TVA	3800	15	1.84	8.31	13.94	6.82	4.99	6.67	8.57	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
244	BIGLANDS, NEAR	F-3	USWB	3350	66	1.87	7.46	12.91	6.47	5.10	8.04	8.94	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
245	CLAYTON	F-4	USWB	2180	62	2.23	6.59	12.77	6.18	5.30	7.39	9.69	5.67	2.90	4.33	2.70	5.14	8.11	6.28	6.10	4.26
246	FRANKLIN POWERHOUSE	F-3	REC	2000	23	2.07	5.37	9.05	4.49	5.36	3.05	3.30	3.03	4.34	5.19	5.25	3.56	4.49	4.71	3.27	
247	FRANKLIN	F-3	USWB	2130	16	2.01	4.67	8.03	4.98	3.41	3.95	4.59	4.01	4.80	5.19	5.25	3.56	4.49	4.71	3.27	
248	CARTERSVILLE CREEK	F-3	TVA	2200	15	1.13	2.91	10.77	6.31	5.97	3.68	4.25	3.68	4.32	6.31	5.19	1.86	4.59	5.19	4.10	
249	MAYAB BALD (R)	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
250	OTTO	F-3	TVA	2330	22	2.66	8.39	13.18	6.50	8.51	7.41	7.38	4.92	3.40	4.42	2.56	4.12	4.25	4.12	4.12	
251	MT. LE CONTE	F-3	USFS	3400	21	2.98	9.50	17.07	9.09	8.37	10.83	10.37	7.04	5.40	5.69	5.12	6.50	8.76	1.59	7.29	
252	CONTESSA NO. 8	F-3	USFS	2875	22	2.32	7.30	13.07	6.81	6.42	7.99	9.02	5.40	4.66	3.14	4.93	3.14	3.02	5.27	7.75	
253	CONTESSA NO. 1 (R)	F-3	TVA	3800	15	1.84	8.31	13.94	6.82	4.99	6.67	8.57	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
254	BIGLANDS, NEAR	F-3	USWB	3350	66	1.87	7.46	12.91	6.47	5.10	8.04	8.94	6.71	3.40	6.00	3.42	6.26	9.37	6.65	5.27	
255	CLAYTON	F-4	USWB	2180	62	2.23	6.59	12.77	6.18	5.30	7.39	9.69	5.67	2.90	4.33	2.70	5.14	8.11	6.28	6.10	4.26
256	FRANKLIN POWERHOUSE	F-3	REC	2000	23	2.07	5.37	9.05	4.49	5.36	3.05	3.30	3.03	4.34	5.19	5.25	3.56	4.49	4.71	3.27	
257	FRANKLIN	F-3	USWB	2130	16	2.01	4.67	8.03	4.98	3.41	3.95	4.59	4.01	4.80	5.19	5.25	3.56	4.49	4.71	3.27	
258	CARTERSVILLE CREEK	F-3	TVA	2200	15	1.13	2.91	10.77	6.31	5.97	3.68	4.25	3.68	4.32	6.31	5.19	1.86	4.59	5.19	4.10	
259	MAYAB BALD (R)	F-3	TVA	2330																	

ANNUAL 1956 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

TENNESSEE VALLEY AUTHORITY

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Y E A R	Depth of Snow (Inches)
						Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total	
FRENCH BROAD RIVER (CONT'D)																			
245	MT. STEWING	F-3	TVA	2290	22	2.49	5.26	7.32	4.38	6.13	5.42	6.88	3.93	5.11	4.06	4.06	4.41	8.39	6.68
246	CATAWOGUE	F-3	USDI	2620	12	2.32	5.61	7.71	4.46	6.36	6.01	6.77	3.60	3.17	3.44	3.70	3.97	8.07	6.87
407	CATAWOGUE RANCH	F-3	TVA	4500	18	2.91	7.05	7.79	7.48	5.12	4.22	4.22	3.33	3.41	3.41	4.28	5.24	4.95	7.26
247	WAYNESVILLE	G-3	USNB	2675	63	2.00	4.73	7.81	4.16	4.83	5.24	5.43	3.11	3.55	3.33	4.40	3.42	4.57	5.30
248	WAYNESVILLE	G-3	TVA	4500	22	1.72	3.47	4.99	2.71	3.42	3.13	3.63	2.63	2.55	2.37	3.14	3.14	4.22	5.13
ESTABLISHED NOVEMBER 1, 1956																			
250	WAYNESVILLE	G-3	TVA	4500	22	1.72	3.47	4.99	2.71	3.42	3.13	3.63	2.63	2.55	2.37	3.14	3.14	4.22	5.13
251	CANTON	G-3	CRFECO	2600	26	1.65	3.52	6.06	3.45	4.37	4.19	5.12	3.03	2.78	2.92	2.45	3.40	4.98	4.57
252	CANTON	G-3	CRFECO	2600	26	1.65	3.52	6.06	3.45	4.37	4.19	5.12	3.03	2.78	2.92	2.45	3.40	4.98	4.57
253	DIX CREEK	G-3	TVA	3060	22	1.56	3.51	6.06	3.45	4.37	4.19	5.12	3.03	2.78	2.92	2.45	3.40	4.98	4.57
254	MT. PISGAH (R)	G-3	TVA	3160	22	1.39	5.23	7.70	4.33	4.28	4.44	4.16	3.13	3.13	3.13	3.13	3.13	3.13	3.13
659	BIG EAST FORK PIGEON	G-3	TVA	3160	14	2.44	6.81	9.15	6.99	5.30	9.09	7.90	6.20	5.35	5.24	3.40	5.47	7.10	7.12
659A	BIG EAST FORK, RADIO	G-3	TVA	3120	10	1.9	9.9	9.9	9.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
742	SHENKETS RADIO	G-3	CRFECO	3100	1	2.3	10.8	10.8	10.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
255	WOLF CREEK	G-3	TVA	3120	22	1.89	3.48	5.52	3.47	4.50	4.46	5.77	3.43	3.72	3.28	4.33	4.36	7.06	5.34
256	BOT SPRINGS	G-3	USNB	3135	51	1.95	3.44	5.52	3.47	4.50	4.46	5.77	3.43	3.72	3.28	4.33	4.36	7.06	5.34
256A	BOT SPRINGS AIRWAYS	G-3	USNB	3135	51	1.95	3.44	5.52	3.47	4.50	4.46	5.77	3.43	3.72	3.28	4.33	4.36	7.06	5.34
257	MAX PATCH MOUNTAIN	G-3	TVA	4295	22	2.21	4.76	6.33	4.37	5.13	5.04	5.86	4.52	4.58	4.31	3.58	5.09	7.62	6.81
719	PAVLE SPRING GAP	G-3	TVA	4050	5	2.21	4.76	6.33	4.37	5.13	5.04	5.86	4.52	4.58	4.31	3.58	5.09	7.62	6.81
261	DOCKET GAP	G-3	TVA	3490	22	1.93	4.47	6.60	3.74	4.43	4.50	4.86	3.36	3.56	3.41	4.32	4.37	10.71	6.03
269	COOT STORE	G-3	TVA	2450	22	2.85	4.20	6.09	3.42	4.50	4.63	4.86	3.17	2.52	3.92	2.26	4.43	7.22	5.79
672	SANS GAP, RADIO	G-3	TVA	3760	9	2.3	6.8	6.8	6.8	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
262	MARSHALL	G-3	USNB	1990	58	1.70	3.31	5.38	3.04	4.33	4.24	4.03	2.93	2.30	3.01	1.87	3.54	6.43	4.68
263	ITV	G-3	TVA	2150	22	1.74	3.71	5.78	3.34	4.64	4.19	4.09	2.87	2.05	3.13	2.18	3.66	6.56	4.16
264	BARNARDVILLE	G-3	TVA	2250	22	1.52	3.68	6.14	3.31	3.81	4.20	3.87	2.73	1.69	2.90	1.49	4.13	4.86	4.94
666	WAVENVILLE	G-3	TVA	2220	11	1.54	3.16	4.95	2.72	3.45	4.01	4.61	2.71	2.28	2.81	2.65	3.32	7.24	4.42
267	ASEVILLE (R)	G-3	TVA	2170	22	1.51	3.43	4.93	2.84	4.43	4.02	4.57	2.80	1.69	3.03	2.65	3.32	7.24	4.42
267A	ASEVILLE (R)	G-3	USNB	2270	61	1.02	2.98	4.61	2.69	3.43	3.72	4.33	2.60	1.69	3.03	2.65	3.32	7.24	4.42
268	BETTER DAM	G-3	TVA	2340	9	1.11	3.79	5.17	3.30	4.45	4.59	4.92	3.12	2.29	3.22	2.61	3.74	6.59	4.89
269	CHADY KNOB (R)	G-3	TVA	4970	6	1.59	4.03	5.46	4.35	5.55	5.45	5.55	4.12	3.99	3.72	2.33	5.30	4.82	6.11
270	SHARAWA, NEAR	G-3	USNB	2290	26	0.80	3.86	4.90	3.36	4.17	4.19	4.10	2.90	2.68	2.76	2.92	3.66	5.95	4.95
271A	NORTH FORK NO. 2	G-3	USNB	2520	14	1.13	4.04	6.72	4.36	4.76	5.18	5.41	3.65	2.91	3.72	3.64	4.48	7.63	5.27
271	NORTH FORK (R)	G-3	TVA	2765	31	1.00	4.95	7.04	4.57	5.77	5.77	5.77	4.20	2.02	3.36	2.20	4.47	5.19	6.28
700	BLACK MOUNTAIN	G-3	USNB	2400	7	1.14	3.39	5.78	3.72	3.36	3.74	3.33	2.33	1.64	2.84	2.92	3.60	7.62	3.16
272	BLACK MOUNTAIN	G-3	USNB	2400	26	1.14	3.39	5.78	3.72	3.36	3.74	3.33	2.33	1.64	2.84	2.92	3.60	7.62	3.16
272A	BLACK MOUNTAIN	G-3	TVA	3100	22	1.17	3.75	5.82	3.14	3.60	4.25	4.31	2.85	2.35	2.93	2.89	3.81	6.35	4.91
273	BENT CREEK	G-3	USNB	2100	23	1.36	4.25	6.60	3.45	3.16	4.45	4.59	3.37	2.31	2.78	1.64	3.39	6.30	5.28
276B	AAE AIRPORT	G-3	TVA	2090	22	1.01	4.43	6.31	3.77	3.08	5.00	6.25	3.32	4.19	3.31	2.27	3.64	4.65	6.21
277	GARDEN CREEK	G-3	TVA	2620	21	1.37	5.28	9.43	4.38	3.65	5.36	7.55	4.12	3.99	3.72	2.33	5.30	4.82	6.11
278	BLUE RIDGE POST OFFICE (R)	G-3	TVA	2270	22	1.32	4.87	8.20	4.21	2.91	5.55	5.55	4.12	3.99	3.72	2.33	5.30	4.82	6.11
279	HENDERSONVILLE	G-3	USNB	2151	60	1.49	4.92	7.92	4.36	3.20	5.64	5.95	4.12	2.94	4.13	2.67	5.02	6.12	6.43
279A	HENDERSONVILLE	G-3	TVA	2185	9	1.33	4.92	9.42	4.36	3.27	5.64	5.95	4.12	2.94	4.13	2.67	5.02	6.12	6.43
280	PIKE MOUNTAIN	G-3	TVA	1000	22	2.10	6.80	12.80	5.67	3.74	7.48	6.80	5.03	3.45	4.53	2.60	5.97	3.00	7.14
282	PIKE MOUNTAIN	G-3	TVA	1000	22	2.10	6.80	12.80	5.67	3.74	7.48	6.80	5.03	3.45	4.53	2.60	5.97	3.00	7.14
281	MILLS RIVER (R)	G-3	TVA	2090	22	1.16	5.13	7.25	4.14	3.16	5.06	6.14	3.60	3.75	3.77	2.02	4.10	4.24	5.97
281B	HENDERSONVILLE, NEAR	G-3	NC	2660	3	1.35	7.38	7.38	7.38	3.41	5.14	5.14	3.41	3.77	3.77	2.35	4.59	8.08	4.59
282A	CASARUS ROAD	G-3	USNB	3115	32	1.17	6.38	12.47	5.19	3.10	7.38	6.43	5.63	3.41	3.77	3.77	2.35	4.59	8.08
476	PIKE MOUNTAIN	G-3	USNB	2150	17	1.83	5.10	11.12	5.32	3.79	6.96	6.64	4.29	3.19	4.69	4.70	4.92	6.18	4.42
662	GLADSTONE GAP (R)	G-3	TVA	3050	11	1.69	6.50	11.09	6.16	5.21	8.31	6.55	5.19	4.84	5.31	5.64	4.92	6.18	4.42
295	BREDAW	G-3	USNB	2180	53	1.67	5.67	12.28	5.26	4.24	6.35	7.49	4.56	4.28	4.71	4.69	4.66	7.41	6.69
296	ROSMAN NO. 2	G-3	TVA	2220	22	2.42	7.44	14.90	6.33	5.71	7.48	6.80	5.03	3.45	4.53	2.60	5.97	3.00	7.14
640	SASSAFRAS MOUNTAIN	G-3	TVA	3500	15	1.68	6.32	12.48	6.24	4.33	8.76	7.32	5.63	4.45	5.17	3.72	5.53	8.23	7.21
663	QUEBEC (R)	G-3	TVA	2600	11	1.71	6.98	12.48	6.24	4.33	8.76	7.32	5.63	4.45	5.17	3.72	5.53	8.23	7.21
723	LAKE TOMAWAY	G-3	USNB	3020	5	2.07	13.68	13.68	13.68	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
UNCLASSIFIED STATIONS																			
412	JACKSON SUBSTA.	A-3	TVA	339	10	4.72	6.55	11.32	4.74	3.37	5.56	6.16	4.60	2.88	4.21	4.92	4.09	0.71	4.63
413	MARTIN SUBSTA.	A-2	TVA	385	18	5.66	6.25	11.39	4.43	3.34	5.99	6.99	4.29	5.11	4.24	2.63	4.84	5.95	3.97
414	MORRIS SUBSTA.	A-2	TVA	295	18	4.03	5.55	9.90	4.99	2.12	5								





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TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

PRECIPITATION
IN TENNESSEE RIVER BASIN
ANNUAL 1957

PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1957

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TENNESSEE VALLEY AUTHORITY

GEORGE K. LEONARD, Chief Engineer

DIVISION OF WATER CONTROL PLANNING

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HYDRAULIC DATA BRANCH

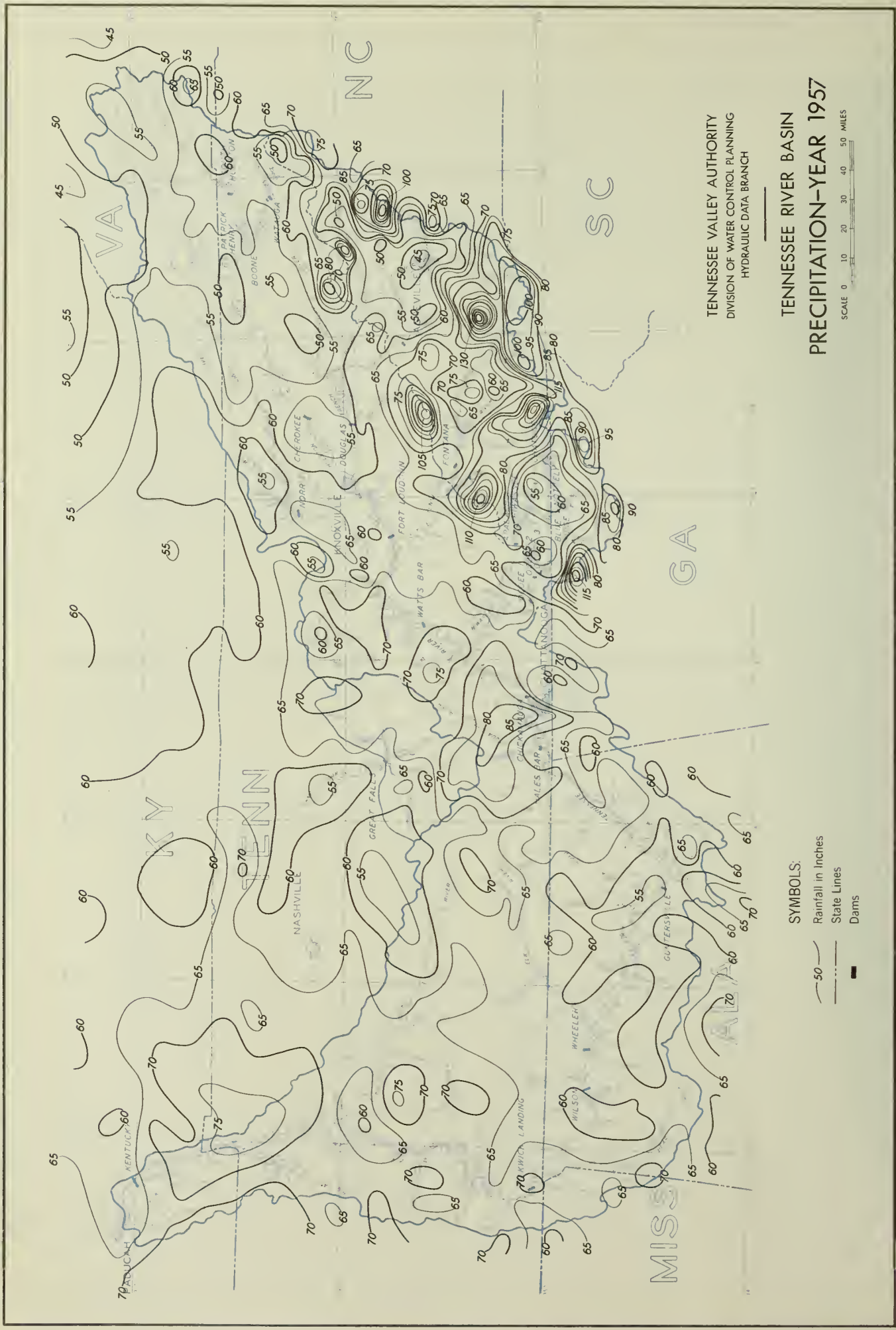
ALBERT S. FRY, Chief of Branch

ANNUAL 1957

PRECIPITATION
IN
TENNESSEE RIVER BASIN

REPORT NO. O-243





TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN
PRECIPITATION-YEAR 1957

- SYMBOLS:
- 50 — Rainfall in Inches
 - - - State Lines
 - Dams

SCALE 0 10 20 30 40 50 MILES

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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1957

Precipitation for the year 1957 over the Tennessee River Basin reached a record-breaking 126 percent of the 65-year mean and exceeded by 1.77 inches the previous 68-year maximum set in 1929. The average for the Basin was 64.62 inches, 13.22 inches above the mean of 51.40 inches. In the area above Chattanooga, the average of 64.09 inches was 13.22 inches greater than the 65-year mean of 50.87 inches. In the area below Chattanooga, the 65.24-inch average was 13.24 inches greater than the normal of 52.00 inches.

The five wettest calendar years since 1890 in the Tennessee River Basin and its major subdivisions are shown in the following tabulation:

FIVE WETTEST YEARS DURING PERIOD 1890-1957

<u>Entire Tennessee River Basin</u>		<u>Tennessee Basin Above Chattanooga</u>		<u>Tennessee Basin Below Chattanooga</u>	
<u>Amount</u> inches	<u>Year</u>	<u>Amount</u> inches	<u>Year</u>	<u>Amount</u> inches	<u>Year</u>
64.62	1957	64.09	1957	66.35	1950
62.85	1929	62.81	1901	65.85	1932
62.20	1932	61.67	1929	65.24	1957
61.23	1950	59.60	1920	64.23	1929
60.07	1920	58.99	1932	63.17	1892

Monthly precipitation in the Valley exceeded the 65-year mean during eight months in 1957, and was below normal in March, May, July, and August. The wettest month was November with 9.50 inches, while September with 7.00 inches received the greatest rainfall for that month in 68 years of record. The near record breaking precipitation during the period January 20 to February 10, 1957, resulted in monthly averages for the Basin of 8.16 inches in January and 7.67 inches in February. The driest month was July with a Basin average of 2.41 inches which is the lowest July average in 68 years.

The maximum station precipitation was 133.30 inches recorded at Haywood Gap, North Carolina, located in the upper French Broad River Basin. This is the greatest known calendar year total recorded in the Tennessee River Basin. The previous annual maximum was 126.09 inches during 1949 at Coweeta gage No. 8 located in the headwaters of the Little Tennessee River. The greatest point precipitation for 12 months occurred at Coweeta gage No. 8 during the period November 1948 to October 1949 when 145.5 inches was recorded.

Haywood Gap recorded the Basin monthly maximum for April, September, and November. During September this station received 19.52 inches which was the greatest monthly total in 1957. Haywood Gap also recorded the 1957 maximum 24-hour total of 7.60 inches on April 4-5.

Maximum annual precipitation above 100 inches was reported at the following stations in the Tennessee Valley:

<u>Station</u>	<u>1957 Amount inches</u>	<u>Station</u>	<u>1957 Amount inches</u>
Haywood Gap, N. Carolina	133.30	Mt. Mitchell, N. Carolina	102.05
Flat Top, Georgia	118.92	Gloucester Gap, N. Carolina	104.53
Coweeta No. 8, N. Carolina	115.54	Rosman No. 2, N. Carolina	104.47
Haw Knob, Tennessee	114.72	Sassafras Mt., S. Carolina	103.90
Clingmans Dome, N. Carolina	105.61	Lake Toxaway, N. Carolina	100.36
Highlands, N. Carolina	102.37		

The minimum 1957 precipitation total in the Basin was 42.29 inches at Asheville, North Carolina, located just 27 airline-miles northeast of Haywood Gap, where the maximum of record occurred. Asheville received 114 percent of normal and had the wettest year since 1949.

Intense rainfall over the watershed of Piney River above Spring City, Tennessee, on November 18 resulted in a very large flood. This will be described in a special report currently in preparation.

The frontispiece of this report shows the distribution of 1957 precipitation over Tennessee River Basin. In the southeastern part of the Basin, substantial variations in precipitation occurred within short distances, a characteristic of this region of high ridges and shielded valleys.

Among the watershed subdivisions, the maximum annual precipitation was 92.1 inches over French Broad River above Blantyre, North Carolina, 20.3 inches more than the 20-year mean of 71.8 inches, and the second highest in 23 years of record. The minimum subdivision average precipitation in 1957 was 53.1 inches on Holston River from Cherokee Dam to Kingsport, Tennessee, and Gate City, Virginia.

Snowfall was reported in the Tennessee River Basin in the first four and the last three months of the year. The heaviest amounts occurred in March and December when 83 percent of the annual total fell. The 1957 average for the Basin was 2.4 inches. The average in the Basin above Chattanooga was 4.0 inches and below that city, 0.7 inch. The maximum for the Basin was 30.2 inches at McKinney Gap, North Carolina, located in the headwaters of Cane River in the French Broad River basin.

The snowstorm of mid-December closed to traffic U. S. Highway 441 across Newfound Gap for several hours. Schools were closed from one to three days in Unicoi, Campbell, and Washington Counties, Tennessee, and in Buncombe, Madison, Avery, Yancey, and Haywood Counties, North Carolina.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations in or near the Basin together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, descriptions of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Three reports on special storm investigations were published in monthly issues of this publication during 1957. These reports and the date of the issue in which they appear are as follows:

<u>Subject</u>	<u>Monthly Bulletin Containing Report</u>
Tornado of April 8, 1957, in Northwestern Section of Alabama	May
Tornado of April 8, 1957, in Tennessee Valley Area of Alabama	May
Intense Storm September 6, 1957, in the Vicinity of Barnardsville, North Carolina	December

TENNESSEE RIVER BASIN PRECIPITATION DURING 1957Precipitation in Inches

<u>Month</u>	Above Chattanooga <u>1957</u>	Below Chattanooga <u>1957</u>	<u>Tennessee River Basin</u>			
			<u>1957</u>	<u>Mean</u>	<u>Deviation from Mean</u>	
					<u>Monthly</u>	<u>Cumulative</u>
January	7.73	8.66	8.16	4.95	+3.21	+3.21
February	8.03	7.25	7.67	4.71	+2.96	+6.17
March	2.77	2.92	2.84	5.57	-2.73	+3.44
April	6.06	4.58	5.37	4.38	+0.99	+4.43
May	3.41	4.88	4.10	4.12	-0.02	+4.41
June	6.57	5.56	6.10	4.25	+1.85	+6.26
July	2.02	2.86	2.41	4.93	-2.52	+3.74
August	3.02	2.23	2.65	4.26	-1.61	+2.13
September	7.69	6.22	7.00	3.16	+3.84	+5.97
October	3.29	3.64	3.45	2.83	+0.62	+6.59
November	7.94	11.29	9.50	3.45	+6.05	+12.64
December	5.56	5.15	5.37	4.79	+0.58	+13.22
Total	64.09	65.24	64.62	51.40		

Mean Precipitation figures are for the period 1890-1954.

ANNUAL STREAM FLOW IN INCHES - 1957

<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1957</u>	<u>Mean</u>	<u>1957</u>	<u>Mean</u>
Knoxville	23.04	19.43	26.43	19.48
Chattanooga	25.81	23.65	31.25	23.70

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1957 MONTHLY AND ANNUAL

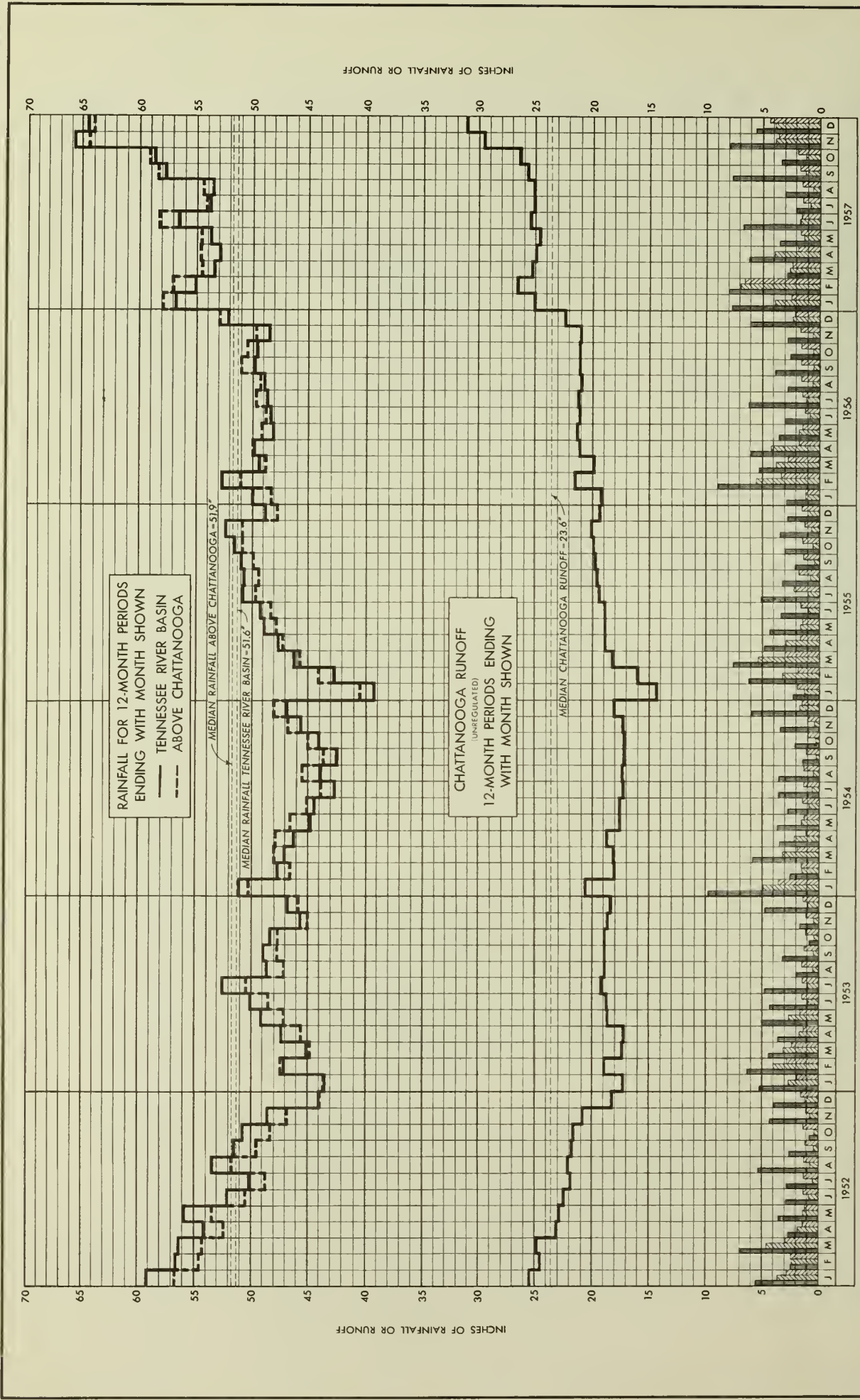
Subdivision	Average Precipitation - Inches											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Annual
1957 Average	8.16	7.67	2.84	5.37	4.10	6.10	2.41	2.65	7.00	3.45	9.50	64.62
21 Yr. Average	5.81	5.51	5.36	4.18	3.93	4.02	4.78	3.93	3.16	2.46	3.96	51.70
Area Above Chattanooga	7.73	8.03	2.77	6.06	3.41	6.57	2.02	3.02	7.69	3.29	7.94	64.09
21 Yr. Average	5.21	5.11	5.15	3.91	3.92	4.24	5.32	4.24	3.26	2.54	3.60	50.86
Area Below Chattanooga	8.66	7.25	2.92	4.58	4.88	5.56	2.86	2.23	6.22	3.64	11.29	65.24
21 Yr. Average	5.33	5.02	5.81	4.76	4.17	3.98	4.46	3.83	3.09	2.81	3.87	52.27
French Broad Above Newport	5.25	7.10	2.93	7.78	3.80	8.51	2.06	3.27	7.81	3.57	7.33	64.36
21 Yr. Average	4.30	4.45	5.04	3.84	3.80	4.65	5.68	5.03	3.59	2.86	3.41	50.57
French Broad Above Douglas Dam	6.23	7.56	2.77	6.92	3.85	7.35	2.31	3.52	6.91	3.18	6.83	62.54
21 Yr. Average	4.36	4.43	4.80	3.69	3.72	4.33	5.52	4.59	3.36	2.65	3.29	42.50
Holston Above Charokas Dam	8.32	6.71	2.43	5.23	2.81	6.08	2.48	3.73	5.88	1.79	5.37	55.82
21 Yr. Average	4.20	4.03	4.18	3.28	3.88	4.00	5.19	4.09	2.97	2.15	2.95	44.31
Holston and French Broad Above Knoxville	7.19	7.34	2.63	6.08	3.43	6.77	2.32	3.56	6.41	2.67	6.40	59.91
21 Yr. Average	4.38	4.36	4.57	3.54	3.80	4.17	5.36	4.34	3.18	2.43	3.19	46.97
Little Tennessee Above McGhee	8.26	10.05	3.50	7.66	4.50	8.42	1.80	3.17	6.41	5.36	9.59	75.27
21 Yr. Average	6.23	6.07	6.29	4.58	4.35	4.78	5.95	4.83	3.50	2.98	4.20	59.03
Little Tennessee Above Fontana Dam	8.14	10.01	3.55	8.18	4.32	8.18	1.75	3.53	6.57	5.77	9.34	75.02
21 Yr. Average	6.22	6.14	6.44	4.62	4.29	4.84	6.12	5.02	3.65	3.06	4.19	45.92
Clinch Above Norris Dam	8.93	5.94	2.39	4.65	2.44	5.48	2.26	2.95	7.33	2.07	5.97	56.21
21 Yr. Average	4.90	4.57	4.88	3.42	3.82	4.18	5.04	4.04	2.95	2.18	3.24	42.84
Hivassas Above Charleston	7.23	9.93	3.58	7.50	3.57	7.21	1.86	2.93	7.65	4.17	9.06	70.48
21 Yr. Average	5.98	6.07	6.21	4.61	4.10	4.60	5.70	4.52	3.44	2.84	4.03	67.33
Hivassas Above Hivassas Dam	6.96	10.10	3.49	8.48	3.30	7.37	1.86	3.07	5.99	4.97	8.64	70.34
21 Yr. Average	5.91	6.10	6.35	4.79	4.16	4.86	6.07	4.70	3.48	2.01	3.82	58.52

Note: 21 Year Averages Based on 1937-1957 Averages.

RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

Stream	Station	Drainage Area sq.mi.	January 1 - December 31, 1957				Runoff in Percent of Rainfall	Rainfall Minus Runoff inches
			Rain- fall inches	Debar- ture inches	Run- off inches	Debar- ture inches		
Big Sandy River	Bruceton	205	69.8	+16.7	26.3	+8.1	37.7	43.5
Duck River	Hurricane Mills	2571	63.9	+12.8	29.1	+10.2	45.5	34.8
Bear Creek	Bishop	667	63.1	+9.7	29.3	+9.3	46.4	33.8
Elk River	Prospect	1784	66.0	+12.0	31.8	+10.1	48.2	34.2
Paint Rock River	Woodville	320	64.6	+9.4	38.3	+12.6	59.3	26.3
South Chickamauga Creek	Chickamauga	428	64.8	+11.3	28.6	+7.3	44.1	36.2
Toccoa River	Dial	177	81.4	+15.7	43.5	+9.1	53.4	37.9
Sewee Creek	Decatur	117	67.2	+14.4	36.4	+13.4	54.2	30.8
Emory River	Oakdale	764	68.0	+15.3	40.4	+16.5	59.4	27.6
Clinch River	Tazewell	1474	53.3	+8.6	25.4	+5.7	47.7	27.9
Little Tennessee River	Needmore	436	76.2	+16.0	40.1	+9.2	52.6	36.1
North Fork Holston River	Saltville	222	54.4	+13.6	30.1	+12.0	55.3	24.3
Little Pigeon River	Sevierville	353	71.7	+18.1	32.6	+11.5	45.5	39.1
French Broad River	Asheville	945	70.7	+14.6	31.5	+4.6	44.6	39.2

Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions."
Runoff data are furnished by the U. S. Geological Survey and are tentative.



RAINFALL AND RUNOFF
IN THE
TENNESSEE RIVER BASIN

SYMBOLS:

- ▨ MONTHLY RAINFALL ABOVE CHATTANOOGA
- ▨ MONTHLY RUNOFF AT CHATTANOOGA (UNREGULATED)
- ▨ ACTUAL MONTHLY RUNOFF AT CHATTANOOGA (REGULATED)

EVAPORATION DATA—YEAR 1957

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Paris, Tenn.	1.28a	1.52	2.57	4.22	5.39	5.72	5.98	5.58	3.37	2.57a	1.93a	1.28a	41.41a
Murphy, N. C.	0.91a	1.49a	2.34a	4.51a	4.90	4.70	6.14	5.32	3.16	2.10	1.34	0.93	37.84a
Beetree Dam, N. C.	0.59a	1.27a	2.38a	3.80a	4.84	4.74	5.90a	5.04	3.07a	1.70	1.40a	1.08a	35.91a
Jefferson City, Tenn.	0.81	1.60	2.32	4.74	6.08a	5.54	6.89	5.92	3.66	1.78	1.23a	0.78a	41.35a
Precipitation (Inches)													
Paris, Tenn.	10.44	6.07	2.44	4.80	7.54	7.26	5.47	3.51	3.16	2.91	12.59	7.43	73.62
Murphy, N. C.	8.40	8.88	3.14	6.33	3.05	7.86	1.03	2.47	6.64	3.40	7.63	5.79	64.52
Beetree Dam, N. C.	4.62	5.02	1.76	9.59	2.13	7.20	4.70	1.32	5.00	2.65	6.16	4.26	54.41
Jefferson City, Tenn.	7.11	7.45	2.40	4.67	2.28	3.73	1.27	1.43	5.07	2.85	7.98	5.76	52.01
Average Air Temperature (Degrees F)													
Paris, Tenn.	33	45	46	61	68	75	76	74	68	54	46	42	57
Murphy, N. C.	40	48	46	59	65	72	73	72	69	53	48	40	57
Beetree Dam, N. C.	35	44	43	56	60	68	69	67	64	48	45	38	53
Jefferson City, Tenn.	38	47	46	60	67	74	76	74	69	51	45	40	57
Average Water Temperature (Degrees F)													
Paris, Tenn.	40a	51	53	66	74	82	84	82	74	59a	51	46a	64a
Murphy, N. C.	45a	55	55	66	76	82	84	81	75	59a	53	44a	65a
Beetree Dam, N. C.	39a	48	49a	59a	71	77	78	76	70	51a	47a	32a	59a
Jefferson City, Tenn.	43	53	54	67	75	81	83	80	75	57	51	44	64
Average Relative Humidity (Percent)													
Paris, Tenn.	73	74	69	71	74	80	79	76	80	73	74	73	75
Murphy, N. C.	83	82	78	72	79	86	80	80	85	85	82	84	81
Beetree Dam, N. C.	74	75	68	69	77	85	81	80	85	79	73	72	76
Jefferson City, Tenn.	76	76	70	67	70	77	70	70	81	86	84	85	76
Average Wind Velocity (Miles Per Hour)													
Paris, Tenn.	0.76	0.54	0.65	0.72	0.28	0.18	0.05	0.07	0.07	0.14	0.38	0.80	0.39
Murphy, N. C.	0.30	0.23	0.32	0.62	0.22	0.13	0.10	0.06	0.12	0.27	0.37	0.42	0.36
Beetree Dam, N. C.	1.07	0.96	1.47	1.13	0.65	0.45	0.42	0.40	0.54	0.69	1.09	1.57	0.87
Jefferson City, Tenn.	0.69	0.69	0.81	0.76	0.61	0.54	0.46	0.43	0.59	0.49	0.71	0.74	0.64

a = Partly computed.

MONTHLY AND ANNUAL RAINFALL AND RUNOFF
TENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
<u>Rainfall in Inches 1890 - 1957</u>													
1957	7.73	8.03	2.77	6.06	3.41	6.57	2.02	3.02	7.69	3.29	7.94	5.56	64.09
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	7.69	8.37	10.30	9.98	64.09
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.02	1.25	0.77	0.17	0.44	1.06	37.23
Mean	4.60	4.69	5.33	4.14	4.08	4.48	5.27	4.52	3.27	2.86	3.22	4.58	51.04
Median	4.24	4.48	5.16	4.10	3.78	4.48	5.05	4.16	3.14	2.48	2.94	4.22	51.93
<u>Runoff in Inches 1874 - 1957</u> (Unregulated)													
1957	3.88	6.85	2.50	3.88	1.31	1.60	0.76	0.55	1.13	1.12	3.76	3.91	31.25
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean	3.07	3.29	3.76	2.97	2.00	1.44	1.34	1.15	0.86	0.79	1.11	1.92	23.70
Median	2.82	3.15	3.26	2.66	1.80	1.27	1.12	0.94	0.70	0.70	0.84	1.68	23.63
<u>Runoff in Cubic Feet Per Second 1874 - 1957</u> (Unregulated)													
1957	72,100	140,700	46,400	74,500	24,300	30,700	14,100	10,200	21,700	20,700	72,100	72,600	49,300
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean	57,000	67,600	69,800	57,000	37,100	27,600	24,900	21,300	16,500	14,700	21,300	35,600	37,300
Median	52,300	64,700	60,500	51,000	33,400	24,400	20,800	17,400	13,400	13,000	16,100	31,200	37,200

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>1957</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>Elizabethton, Tennessee (66 years)</u>						
January	3.50	8.13	1947	0.46	1896	7.00
February	3.41	7.59	1944	0.48	1906	6.27
March	4.26	10.72	1899	1.37	1937	1.84
April	3.35	6.05	1912	0.65	1942	4.68
May	4.09	7.73	1915	1.08	1941	3.00
June	4.78	16.38	1872	1.33	1946	8.83
July	5.18	10.56	1896	1.10	1872	3.91
August	4.40	12.14	1901	0.89	1896	5.08
September	2.92	7.61	1928	0.30	1903	3.55
October	2.44	7.61	1918	0.02	1904	1.74
November	2.33	5.02	1948	0.61	1931	4.43
December	3.31	9.87	1872	0.80	1935	3.70
Annual	43.97	58.91	1928	29.06	1941	54.03

Hendersonville, North Carolina (61 years)

January	4.71	12.40	1906	0.39	1907	4.76
February	4.67	10.73	1891	0.54	1930	6.57
March	5.36	11.67*	1891	0.96	1930	2.46
April	4.26	9.38	1920	0.43	1915	8.65
May	4.43	12.70	1942	0.95	1914	1.88
June	5.31	11.56	1934	0.96	1911	9.54
July	6.18	22.09	1916	1.72	1957	1.72
August	5.87	26.58	1901	0.49	1925	2.51
September	4.44	14.00	1906	0.22	1919	9.71
October	4.02	14.59	1918	0.01	1904	2.99
November	3.37	12.54	1948	0.21	1910	8.36
December	5.19	12.85	1918	0.93	1955	4.72
Annual	57.81	92.60	1901	32.55	1925	63.87

* Also Maximum for March 1952.

Knoxville, Tennessee (87 years)

January	4.76	16.98	1882	1.29	1907	6.55
February	4.78	12.52	1873	0.56	1898	7.71
March	5.11	13.35	1917	0.72	1910	2.04
April	4.25	17.32	1874	0.70	1942	4.10
May	3.76	8.81	1938	0.71	1941	3.00
June	4.16	11.83	1928	1.39	1936	4.77
July	4.60	13.16	1917	0.69	1901	2.45
August	3.89	11.33	1920	1.10	1953	3.36
September	2.87	10.78	1944	0.22	1879	8.11
October	2.50	9.51	1925	0.07	1904	3.12
November	3.34	11.69	1948	0.17	1890	8.22
December	4.38	12.34	1901	0.95	1896	5.38
Annual	48.40	73.87	1875	33.67	1930	58.81

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>1957</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>Murphy, North Carolina (83 years)</u>						
January	5.65	14.85	1882	1.75	1907	6.05
February	5.69	15.10	1873	0.56	1906	9.91
March	6.29	15.34	1917	2.09	1918	3.30
April	4.76	15.40	1874	0.30	1915	6.29
May	4.00	11.25	1929	0.46	1941	2.91
June	5.03	9.31	1884	1.53	1936	7.67
July	5.67	13.42	1950	0.89	1957	0.89
August	4.99	13.96	1920	0.95	1953	2.36
September	3.28	7.44	1951	0.20	1876	6.60
October	3.05	9.27	1949	T	1904	3.30
November	3.77	13.18	1948	0.51	1924	7.56
December	5.29	12.98	1932	1.09	1898	5.41
Annual	57.47	84.80	1875	40.00	1940	62.25

Chattanooga, Tennessee (79 years)

January	5.31	14.74	1882	1.33	1907	9.12
February	5.08	12.30	1939	0.62	1941	6.38
March	5.85	14.05	1899	0.93	1910	2.38
April	4.67	15.29	1911	0.44	1942	4.55
May	3.90	12.00	1929	0.54	1941	2.16
June	4.05	9.40	1949	0.29	1931	3.68
July	4.62	13.49	1916	0.20	1957	0.20
August	3.82	12.36	1920	0.45	1929	2.00
September	3.11	12.19	1957	0.04	1919	12.19
October	2.98	11.91	1925	0.08	1938	2.70
November	3.60	13.59	1948	0.16	1890	10.36
December	5.11	11.69	1942	0.44	1889	4.55
Annual	52.10	72.37	1929	32.68	1904	60.27

Lewisburg, Tennessee (62 years)

January	5.38	17.05	1950	1.26	1943	10.31
February	5.24	13.14	1939	1.08	1941	8.16
March	5.88	12.50	1902	0.94	1910	3.04
April	4.47	12.60	1912	0.56	1915	3.20
May	4.02	8.50	1933	0.60	1941	4.66
June	3.98	13.46	1900	0.72	1899	2.94
July	4.33	9.85	1941	0.84	1954	1.34
August	3.97	11.40	1923	0.57	1909	1.30
September	3.15	12.41	1957	0.32	1927	12.41
October	2.92	8.88	1919	0.05	1924	3.34
November	3.77	10.27	1948	0.46	1953	9.30
December	4.89	11.71	1922	1.01	1928	5.27
Annual	52.00	66.62	1950	37.42	1904	65.27

PRECIPITATION STATISTICS FOR SELECTED STATIONS--ContinuedPrecipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>1957</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>Muscle Shoals, Alabama* (74 years)</u>						
January	5.26	13.09	1950	1.98	1914	10.64
February	5.18	13.64	1948	0.54	1941	4.69
March	5.80	16.15	1897	1.26	1910	3.26
April	4.57	16.07	1892	0.74	1930	3.13
May	3.89	11.29	1939	0.16	1941	2.37
June	4.06	13.87	1900	0.60	1897	3.26
July	4.48	14.60	1916	0.77	1935	4.15
August	3.78	10.60	1894	0.35	1948	2.01
September	2.96	7.87	1890	0.00	1897	4.50
October	2.62	11.05	1918	0.00	1924	2.79
November	3.52	11.39	1948	0.16	1949	7.41
December	4.89	14.59	1926	1.10	1889	3.93
Annual	51.01	76.21	1932	30.92	1943	52.14

* Before December 1940, this station was at Florence, Alabama.

Johnsonville, Tennessee (74 years)

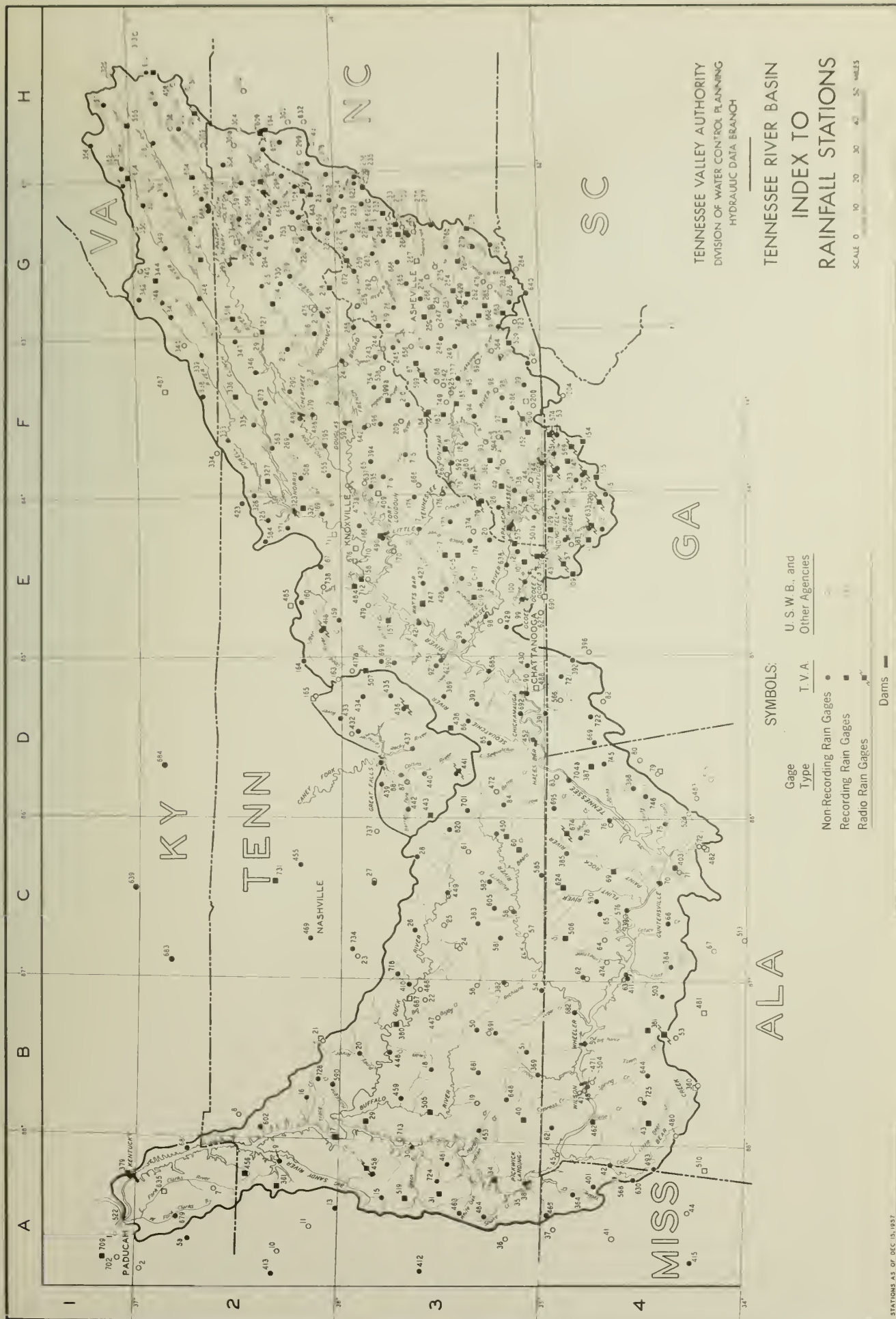
January	5.64	23.51	1937	0.64	1944	10.21
February	4.37	9.56	1939	0.79	1947	5.70
March	5.27	13.07	1927	0.59	1910	3.23
April	4.72	12.29	1892	0.53	1887	4.82
May	4.33	10.19	1909	0.48	1951	5.06
June	4.03	13.34	1928	0.37	1930	5.75
July	4.12	10.12	1892	0.06	1890	7.15
August	3.77	13.70	1914	0.34	1948	2.47
September	3.44	11.31	1921	0.00	1897	5.27
October	2.89	11.44	1919	T	1924	3.32
November	4.18	11.90	1906	0.74	1949	10.24
December	4.58	14.66	1926	0.05	1889	5.63
Annual	51.34	76.17	1950	33.97	1941	68.85

MAXIMUM PRECIPITATION
FOR VARIOUS TIME INTERVALS DURING 1957

<u>Number</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration hours</u>	<u>Precip- itation inches</u>
409	Knoxville Airport, Tenn. (R)	May 24	0.3	1.10
76	Scottsboro, Ala.	July 15	0.5	1.96
385	Swaim, Ala.	Aug. 17	1.0	3.51
268	Beetree Dam, N. C. (R)	July 15	4.0	4.70
190	Haywood Gap, N. C. (R)	Apr. 4	14	5.87
190	Haywood Gap, N. C. (R)	Apr. 4-5	24	7.60
190	Haywood Gap, N. C. (R)	Apr. 1-5	100	13.26*
190	Haywood Gap, N. C. (R)	Sept. 1-30	720	19.52
109	Flat Top, Ga. (R)	Jan.-Feb.	1416	30.04
190	Haywood Gap, N. C. (R)	Sept.-Nov.	2184	45.96
190	Haywood Gap, N. C. (R)	June-Nov.	4392	70.16
190	Haywood Gap, N. C. (R)	Jan.-Sept.	6552	94.52
190	Haywood Gap, N. C. (R)	Jan.-Nov.	8016	120.96
190	Haywood Gap, N. C. (R)	Jan.-Dec.	8760	133.30

* Also maximum for 168 hours.

(R) Recording gage.



TENNESSEE VALLEY AUTHORITY

ANNUAL 1957 PRECIPITATION—in Inches

HYDRAULIC DATA BRANCH

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Sta. No.	Station Name and Location	Index	Owner	Elev.	Yr. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		T.E.A.B.	Length of Snow (Inches)		
						Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of			Total	No. of
TENNESSEE RIVER - JENKINSVILLE TO PICKWICK (CONT'D.)																																	
43	CLIFTON JUNCTION	B-3	TVA	474	18	88.83	6.32	8.33	2.51	3.14	5.75	4.13	4.94	5.88	3.62	8.03	3.86	4.24	3.34	0.86	3.35	6.29	3.00	3.10	2.07	11.20	4.32	4.32	4.77	62.55	51.04	Y	
44	VICTORY (R)	B-3	TVA	830	22	83.33	6.91	6.94	6.41	2.70	6.04	4.59	5.01	4.19	4.17	7.11	3.77	3.21	3.28	0.94	4.21	5.04	3.31	3.01	2.36	10.92	4.87	4.87	5.46	50.68	56.98	---	
51	RAVEN (R)	A-3	TVA	51	36	9.68	7.20	6.03	4.86	42.28	5.22	5.09	4.45	8.60	3.85	4.43	3.99	3.91	3.99	1.91	3.24	47.20	3.04	2.46	2.66	2.46	8.98	4.26	4.26	64.61	51.31	---	
463	ENNVILLE	A-3	TVA	517	18	9.83	7.75	6.26	5.91	42.64	5.22	4.94	4.45	7.95	4.94	2.00	2.88	3.33	3.34	2.54	0.89	8.39	2.78	3.24	2.17	8.53	4.90	4.90	4.21	46.88	51.32	---	
34	SAVANNAH	A-3	USMB	440	75	9.68	6.83	6.75	5.39	3.07	5.91	4.68	4.45	5.35	4.03	9.63	3.86	3.72	3.68	0.78	3.91	3.12	3.39	2.64	10.04	4.28	4.28	4.12	5.24	67.14	7		
34	SAVANNAH (R)	A-3	USMB	450	13	8.44	6.83	7.69	5.39	3.21	5.91	5.67	4.45	4.95	4.03	8.43	3.66	3.59	3.59	0.62	3.91	3.08	3.12	3.29	2.64	9.72	4.88	4.88	3.95	5.24	63.13	53.34	
464	LEAPWOOD, NEAR	A-3	TVA	540	18	9.40	6.13	6.25	5.62	2.53	5.80	5.05	4.45	6.65	3.65	3.65	3.49	3.24	2.55	0.75	3.62	9.10	2.35	2.35	13.64	4.60	4.60	5.11	4.65	65.61	53.17	1.6	
35	SEILOR	A-3	USDI	475	47	10.43	7.15	6.13	5.74	2.93	5.67	5.05	4.60	4.48	4.03	6.99	3.72	3.68	3.55	0.72	3.78	9.10	2.66	3.71	2.90	10.59	4.27	4.27	5.10	65.34	53.12	7	
36	SELMER	A-3	USMB	470	34	10.98	6.37	6.77	5.67	3.08	5.45	5.63	4.50	4.65	3.80	10.43	4.17	4.70	3.78	1.10	3.44	6.69	3.16	3.76	2.70	9.12	4.25	4.25	3.89	4.87	70.45	52.16	
465	ACTON, NEAR	A-4	TVA	510	18	8.97	7.64	8.48	7.06	2.57	5.65	4.07	4.94	2.84	3.89	5.28	3.36	6.53	3.99	1.28	2.76	4.85	2.52	3.75	2.05	9.57	5.07	5.07	4.09	4.76	62.90	53.92	7
37	CORINTH	A-4	USMB	410	72	8.67	4.90	8.41	4.26	2.08	5.51	3.69	4.94	2.97	4.50	5.18	3.76	6.20	3.89	0.52	4.02	3.82	3.10	3.72	2.48	9.37	4.09	4.09	4.51	5.77	59.39	52.46	7
TENNESSEE RIVER - PICKWICK TO FLORENCE																																	
38	PICKWICK LANDING DAM	A-3	TVA	479	23	11.20	6.63	9.07	5.34	3.35	5.24	4.93	4.39	2.99	3.50	7.84	3.11	3.36	3.66	0.89	3.23	5.99	2.76	4.24	2.79	12.09	4.45	4.45	4.03	4.61	70.15	50.03	7
40	WATKINSVILLE GARDEN	A-4	TVA	560	19	8.93	6.75	7.68	5.91																								

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ANNUAL REPORT 2021

ANNUAL REPORT 2021

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TENNESSEE VALLEY AUTHORITY

ANNUAL 1957 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

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ANNUAL 1957 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

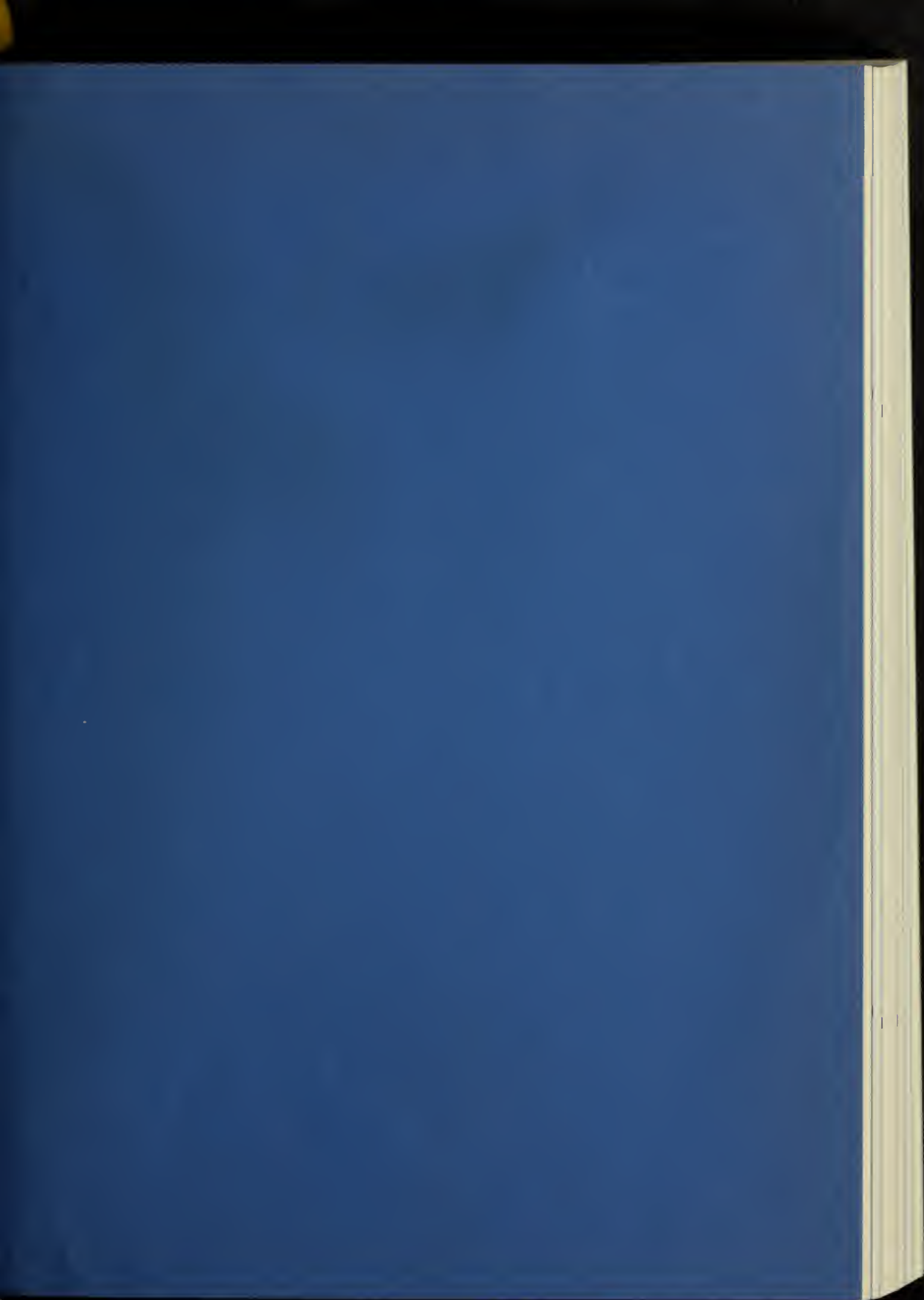
Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R		Depth of (Inches)
						Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	
TENNESSEE RIVER ABOVE EPIFASSIE DAM																																
125	EPIFASSIE DAM (R)	E-3	TVA	1493	20	7.06	5.84	9.89	5.16	4.06	6.16	7.66	4.01	2.52	3.79	9.40	4.33	0.93	5.33	5.07	3.86	6.84	5.95	3.53	2.41	8.15	3.88	5.94	4.89	71.04	52.32	
125A	EPIFASSIE DAM NO. 2	E-3	TVA	1310	18	6.59	5.05	10.42	5.33	3.84	6.10	7.27	4.17	2.33	3.88	8.59	4.37	0.93	5.33	5.07	3.90	6.89	5.97	3.00	2.62	7.92	3.89	6.57	5.86	63.45	54.38	
126	BEAVERHORN CREEK	E-3	TVA	1900	23	11.26	7.74	12.26	6.22	4.02	7.63	7.59	5.42	4.63	4.68	11.64	5.21	2.95	7.08	3.12	5.85	6.41	3.63	3.35	3.24	8.75	4.57	8.06	6.88	84.04	67.45	
127	LEWISIA	E-3	TVA	1800	20	4.93	6.13	10.23	5.50	4.35	6.04	7.09	4.28	2.48	4.04	5.90	4.89	2.01	6.11	3.69	4.28	7.22	3.23	4.38	2.77	9.90	3.89	6.60	5.42	68.78	57.34	
128	SWIFT CREEK (R)	E-3	TVA	1800	22	4.70	6.33	8.35	5.19	2.98	6.15	9.22	4.47	2.44	3.52	6.97	4.31	2.98	5.90	3.60	4.18	7.95	2.93	2.89	2.33	9.57	3.52	4.50	3.57	68.55	52.86	
129	ANTHONY	E-4	TVA	1970	4	2.70																										
131	EDMONTON GAP	E-4	TVA	2050	23	5.09	5.74	8.27	5.16	3.28	5.96	7.93	4.48	3.32	3.81	5.98	4.12	1.04	5.64	3.93	4.60	8.22	2.92	3.48	2.36	8.53	3.26	5.18	4.61	63.85	52.66	
133	CHERRYVILLE NO. 2	F-4	TVA	1825	25	5.35	5.62	7.68	2.28	3.14	6.88	6.18	4.77	2.18	3.99	8.17	4.28	1.73	5.39	3.10	4.79	6.46	3.03	2.48	2.65	8.66	3.74	7.05	5.28	46.04	38.53	
137	CHERRYVILLE	F-4	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
138	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
140	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
141	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
142	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
143	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
144	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
145	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
146	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
147	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
148	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
149	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
150	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
151	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
152	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
153	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
154	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
155	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
156	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
157	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
158	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
159	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
160	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
161	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
162	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
163	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
164	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
165	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
166	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
167	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
168	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
169	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
170	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
171	CHERRYVILLE	F-3	TVA	1900	15	6.74	5.96	7.63	6.41	3.65	7.24	11.51	4.41	2.38	3.63	5.09	4.06	3.06	5.50	1.76	4.44	5.09	3.30	5.74	2.25	9.66	3.50	5.66	4.76	65.98	52.99	
172	CHERRYVILLE	F-3	TVA	1900</																												

[illegible]

	(#)	(R)
	Interpolated or partly interpolated.	Recorder at present.

TENNESSEE VALLEY AUTHORITY

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R		Depth of Snow (Inches)	
						Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of		Total
FRANCE BROOK RIVER (CONT'D)																																	
656	FRANCE BROOK RIVER	F-3	USDI	2620	13	6.95	5.71	8.15	4.79	2.33	5.70	7.09	3.89	3.33	3.43	6.40	4.15	3.01	5.82	3.10	4.10	6.26	3.14	5.16	2.60	7.13	3.94	4.38	4.27	63.19	31.54	5.0	
247	WATKINSVILLE	O-3	USDA	4000	19	5.74	7.05	13.79	6.05	8.94	7.48	8.94	4.22	5.10	4.41	6.89	5.24	7.26	5.17	5.34	6.87	3.61	6.15	3.11	8.14	4.24	7.22	5.21	79.61	43.82	20.0		
248	EAGLEHORN MOUNTAIN	F-3	TVA	3280	23	6.20	6.89	12.40	5.85	2.33	6.73	7.80	3.45	#4.45	3.73	8.20	3.42	1.95	6.17	3.65	4.28	4.97	3.06	5.45	2.26	7.18	3.83	5.05	5.15	#69.23	56.75	5.0	
250	CHAMBERS MOUNTAIN (R)	O-3	TVA	4300	23	3.80	3.47	4.84	2.71	2.61	3.83	6.56	2.65	3.61	2.37	5.07	3.03	0.98	5.19	3.99	4.24	3.99	2.44	3.01	2.26	5.15	2.32	2.56	2.54	45.97	37.05	---	
251A	CANYON	O-3	CR&CO	-	1	3.63	2.23	5.60	2.23	2.23	3.34	6.16	3.34	3.34	3.34	4.97	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	3.52	49.91	37.05	T		
251	CANYON	O-3	CR&CO	2600	27	5.74	3.52	4.60	3.45	1.38	4.19	6.00	3.03	3.40	2.92	4.78	3.23	2.07	4.98	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	3.08	48.03	40.32	7		
253	CLIX CREEK	O-3	TVA	3060	23	4.25	5.16	7.78	1.18	1.82	5.80	7.76	3.33	3.52	3.52	9.02	5.10	1.43	4.95	5.42	5.42	7.09	3.61	3.73	2.26	8.26	3.35	2.56	61.41	49.91	2.9		
254	MT. PIGEON (R)	O-3	TVA	5160	23	3.15	5.83	7.38	4.33	3.15	5.80	11.78	4.28	3.22	4.16	9.08	5.10	4.61	6.51	3.39	6.93	11.41	5.13	5.40	4.65	8.40	4.68	1.85	76.90	61.27	---		
659	MT. EAST FORK PIGEON	O-3	TVA	3100	15	7.65	6.86	10.24	7.22	4.41	8.78	14.19	6.74	3.10	5.09	10.03	5.79	2.02	6.75	3.22	4.91	12.42	6.90	7.44	5.11	12.78	6.76	7.57	6.63	94.98	77.54	---	
660	MT. EAST FORK PIGEON	O-3	TVA	3120	11	8.1	9.5	10.7	10.7	2.1	2.1	10.1	10.1	0.8	0.8	3.8	3.8	6.1	6.1	3.8	3.8	6.1	6.1	3.8	3.8	8.7	7.3	7.3	7.3	91.3	74.3	---	
255	WOLF CREEK	O-3	TVA	1200	23	6.60	3.98	7.04	3.48	2.05	4.50	4.30	2.93	6.80	3.54	7.77	3.95	1.06	5.82	3.29	3.89	6.80	3.11	2.39	2.16	5.27	2.52	4.03	2.94	57.48	42.82	2.8	
256	WOLF CREEK	O-3	USNB	1335	2	2.66	3.48	7.77	3.47	2.42	4.46	4.97	3.43	3.52	3.28	5.33	4.36	1.22	5.34	4.83	4.39	6.84	2.70	2.05	2.42	6.23	2.58	4.18	2.98	55.24	42.89	4.0	
256A	WOLF CREEK	O-3	USNB	1400	17	6.24	3.48	7.07	3.47	2.10	4.46	4.97	3.43	3.52	3.28	5.33	4.36	1.22	5.34	4.83	4.39	6.84	2.70	2.05	2.42	6.23	2.58	4.18	2.98	55.24	42.89	4.0	
257	MAX PATCH MOUNTAIN (R)	O-3	TVA	4285	23	5.26	4.76	9.36	4.37	3.11	5.04	6.89	4.92	4.28	4.31	7.44	5.09	6.81	4.68	3.90	3.69	3.01	6.98	3.18	3.66	3.46	3.18	6.88	#59.82	53.65	---		
719	MAX PATCH MOUNTAIN	O-3	TVA	4050	6	3.99	8.05	4.94	2.48	6.84	7.46	6.84	3.36	4.49	3.41	6.05	#1.94	4.64	1.86	4.73	3.47	2.82	6.10	2.99	5.13	3.33	6.98	48.36	34.4	---			
261	DOGGETT DAM	O-3	TVA	2450	23	4.57	4.47	7.02	3.74	2.23	5.00	7.46	3.36	4.49	3.41	6.05	4.57	1.63	6.61	6.34	3.33	3.47	2.82	6.10	2.99	5.13	3.33	6.98	48.36	34.4	---		
269	CONT STORE	O-3	TVA	2450	23	7.66	4.40	8.37	3.42	2.23	4.63	5.91	3.47	4.43	3.52	6.94	4.43	0.95	5.79	3.71	4.43	5.94	3.06	2.87	2.37	6.63	2.70	5.84	2.98	59.28	44.70	8.0	
672	SANS GAP, RADIO	O-3	TVA	3760	10	7.1	7.3	7.3	3.04	2.17	3.94	7.46	2.91	3.51	3.01	6.12	3.65	1.68	4.68	3.62	3.62	4.9	2.79	2.38	2.79	2.38	5.61	2.26	4.19	2.74	52.63	37.67	0.6
262	MARSHALL	O-3	USNB	1950	59	4.44	3.31	5.76	3.04	2.17	3.94	7.46	2.91	3.51	3.01	6.12	3.65	1.68	4.68	3.62	3.62	4.9	2.79	2.38	2.79	2.38	5.61	2.26	4.19	2.74	52.63	37.67	0.6
263	IVY	O-3	TVA	2190	23	4.45	3.18	6.09	3.14	2.07	4.18	5.67	2.87	4.99	3.13	6.91	3.86	1.26	4.46	3.23	3.80	3.34	2.42	2.76	2.13	5.66	2.30	4.38	2.97	50.61	38.47	2.0	
264	BARNARDVILLE	O-3	TVA	2240	23	4.45	3.18	6.09	3.14	2.07	4.18	5.67	2.87	4.99	3.13	6.91	3.86	1.26	4.46	3.23	3.80	3.34	2.42	2.76	2.13	5.66	2.30	4.38	2.97	50.61	38.47	2.0	
666	MEADVILLE	O-3	TVA	2220	12	3.49	3.17	5.27	2.95	2.78	3.90	6.98	3.06	5.72	3.05	8.27	3.73	1.20	4.15	2.74	3.01	4.70	2.16	3.43	2.80	5.90	2.69	3.61	2.62	53.39	36.73	4.5	
265	LEICESTER	O-3	TVA	2170	23	4.22	3.43	5.13	2.84	#1.93	4.02	6.93	3.01	7.23	3.74	7.23	3.74	1.43	5.05	2.29	4.51	5.46	2.38	2.90	2.17	5.43	2.49	3.28	2.74	#49.28	39.18	3.1	
265A	LEICESTER	O-3	USNB	2240	12	3.48	2.96	5.13	2.84	1.57	3.57	6.76	2.88	2.13	3.12	7.23	3.74	1.43	5.05	2.29	4.51	5.46	2.38	2.90	2.17	5.43	2.49	3.28	2.74	#49.28	39.18	3.1	
265A	LEICESTER	O-3	TVA	2240	12	3.48	2.96	5.13	2.84	1.57	3.57	6.76	2.88	2.13	3.12	7.23	3.74	1.43	5.05	2.29	4.51	5.46	2.38	2.90	2.17	5.43	2.49	3.28	2.74	#49.28	39.18	3.1	
266	BETHEE DAM (R)	O-3	TVA	2540	33	3.46	3.20	2.47	4.59	9.80	3.12	2.15	3.22	7.00	3.74	6.28	4.69	1.56	5.31	6.30	3.27	3.44	2.65	5.94	2.51	4.47	3.16	58.14	33.55	2.3			
269	SHANNON, NEAR	O-3	USNB	2250	27	2.90	3.86	5.66	3.36	2.31	4.38	8.13	4.59	2.70	3.72	7.02	3.66	1.66	4.26	2.77	3.91	6.63	4.03	3.35	2.56	6.55	3.77	5.14	4.50	62.45	50.87	0.5	
271A	NORTH FORK NO. 2	O-3	USNB	2550	15	4.76	4.09	6.39	4.32	2.60	5.29	8.12	3.94	3.71	9.38	4.81	2.49	4.69	2.36	1.98	4.91	6.42	4.60	2.91	2.90	6.25	3.42	4.67	3.69	59.60	55.61	1.2	
271B	NORTH FORK NO. 2	O-3	TVA	2705	32	5.90	4.96	8.07	4.57	3.02	5.80	8.45	4.00	2.58	3.56	9.94	4.57	2.86	2.67	1.92	6.60	8.14	4.20	3.46	3.47	7.72	3.28	6.10	4.50	67.75	59.61	1.2	
700	BLACK MOUNTAIN	O-3	USNB	2400	8	4.49	3.30	6.32	4.04	1.67	5.23	7.84	3.89	3.48	2.92	8.03	4.16	2.39	3.33	1.50	3.74	5.35	4.59	2.54	2.34	7.01	3.10	3.68	3.65	54.30	44.49	2.3	
274	EVVA	O-3	USNB	2075	27	3.41	3.28	5.28	2.96	2.59	4.05	7.36	2.96	2.89	2.89	7.39	3.36	3.61	4.35	1.70	4.10	6.85	2.11	2.68	2.29	7.43	2.14	3.28	2.90	34.32	18.85	4.0	
275	BENT CREEK	O-3	TVA	3100	23	4.19	3.75	2.86	3.14	42.35	4.25	5.59	2.84	3.59	2.97	7.39	3.36	3.61	4.35	1.70	4.10	6.85	2.11	2.68	2.29	7.43	2.14	3.28	2.90	34.32	18.85	4.0	
276B	ALB AIRPORT	O-3	TVA	2090	23	3.28	4.43	4.36	3.77	1.99	5.00	6.01	3.32	3.40	3.31	3.40	3.64	1.94	5.61	3.30	4.88	6.00	3.02	2.93	2.81	6.44	2.97	3.49	3.70	49.98	46.46	7	
276	BLUE RIDGE POST OFFICE (R)	O-3	TVA	2270	22	3.61	4.87	7.12	4.23	2.97	5.25	7.05	3.58	2.63	3.88	7.53	4.45	2.99	6.55	2.59	5.70	9.31	4.62	2.69	3.54	7.21	3.61	4.49	4.31	59.16	55.05	---	
279A	HENDERSONVILLE	O-3	USNB	2123	61	#4.76	4.92	6.27	4.36	#2.46	5.64	8.65	4.12	1.88	4.18	9.54	5.02	1.72	6.43	2.51	5.67	9.71	3.71	2.99	3.59	8.36	3.71	4.72	4.92	#53.87	56.27	7	
280	HENDERSONVILLE	O-3	TVA	2155	10	4.10	4.92	7.28	4.36	3.95	5.64	9.80	4.42	1.88	4.18	10.16	5.02	1.71	6.43	2.69	5.67	8.97	3.71	3.34	3.59	9.34	3.71	5.23	4.92	68.55	56.27	0.5	
282	PINK BARS (R)	O-3	TVA	3300	22	7.23	6.94	8.61	6.06	3.77	7.72	13.71	5.03	3.60	3.77	9.23	4.10	1.15	5.97	3.69	5.30	9.06	3.69	3.22	3.16	7.54	3.51	4.42	4.21	86.69	71.08	1.5	
281	MILLS RIVER (R)	O-3	TVA	2650	23	3.80	5.13	4.92	4.14	3.03	5.02	7.03	3.60	3.69	3.77	9.23	4.10	1.15	5.97	3.69	5.30	9.06	3.69	3.22	3.16	7.54	3.51	4.42	4.21	86.69	71.08	1.5	
281B	HENDERSONVILLE, NEAR	O-3	NC	2060	4	4.93	5.13	4.92	4.14	1.75	7.26	3.60	3.69	3.77	9.23	4.10	1.15	5.97	3.69	5.30	9.06	3.69	3.22	3.16	7.54	3.51	4.42	4.21	86.69	71.08	1.5		
283A	CEDARS MOUNTAIN (R)	O-3	USNB	3715	22	6.37	6.88	10.37	6.13	4.47	8.26	11.43	5.63	4.03	5.14	6.08	1.30	8.88	4.90	8.27	15.69	5.18	6.36	4.82	11.73	6.17	7.48	7.45	40.71	78.60	3.1		
284	CEDARS BEAD	O-3	USNB	3115	33	10.21	6.88	8.41	5.70	3.66	7.36	11.43	5.63	4.03	5.14	6.08	1.30	8.88	4.90	8.27	15.69	5.18	6.36	4.82	11.73	6.17	7.48	7.45	40.71	78.60			





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TENNESSEE VALLEY AUTHORITY
HYDRAULIC DATA BRANCH

PRECIPITATION
IN TENNESSEE RIVER BASIN
ANNUAL 1958

PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1958

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TENNESSEE VALLEY AUTHORITY

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ALBERT S. FRY, Chief of Branch

ANNUAL 1958

PRECIPITATION
IN
TENNESSEE RIVER BASIN

REPORT NO. O-243



PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1958

Precipitation over the Tennessee River Basin during 1958 averaged 45.51 inches, 5.89 inches less than the 65-year mean of 51.40 inches. This was the driest year since 1952 and the eleventh driest in 69 years of record since 1890. In the area above Chattanooga, the 1958 average was 45.61 inches, 5.26 inches less than the 65-year mean of 50.87 inches. The average of 45.41 inches in the area below Chattanooga was 6.59 inches under the long-term mean of 52.00 inches. The frontispiece map shows the distribution of precipitation over the Basin for the year 1958. The table on pages 16 to 24 shows monthly and annual precipitation data for stations in the Tennessee River Basin, together with some stations bordering the Basin.

Monthly precipitation in the Valley was below the 65-year mean during seven months in 1958 and was above the long-term mean in April, May, July, September, and November 1958. The wettest month was July with 7.00 inches and the driest was October with 1.21 inches. In the area below Chattanooga the December 1958 average of 1.02 inches was the least for any December in 69 years of record.

The maximum station precipitation for the year 1958 was 86.60 inches at the TVA recording rain gage at Haw Knob located near the Tennessee-North Carolina state line in the headwaters of the Tellico River. This is the fourth highest annual precipitation at Haw Knob in 24 years of record. This and the other stations listed below which are also located in the mountainous southeastern section of the Basin were the only ones to record more than 80 inches during 1958:

<u>Station</u>	<u>1958 Annual Precipitation</u> inches
Haw Knob, Tennessee	86.60
Haywood Gap, North Carolina	84.77
Neel Gap, Georgia	82.68
Flat Top, Georgia	80.51

The minimum station precipitation for 1958 was 33.23 inches at Asheville, North Carolina, in the French Broad River valley. This amount is 3.99 inches below the station normal of 37.22 inches. Eighty other gages reported totals for 1958 of less than 40 inches.

The maximum station precipitation for a month was 24.13 inches in July at Neel Gap, Georgia, in the Toccoa River watershed. The monthly minimum station precipitation in the Basin for 1958 was 0.25 inch in October at Toney, Alabama, located near Limestone Creek a tributary to Wheeler Lake. The TVA station at Summitville, Tennessee, in the Caney Fork area of the Cumberland River basin reported 0.16 inch in October 1958.

The greatest precipitation recorded within 24 hours was 6.51 inches at Flat Top, Georgia, on September 20-21, 1958.

Among the watershed subdivisions, the maximum annual precipitation for 1958 was 64.5 inches over the French Broad River basin above Blantyre, North Carolina, 7.3 inches below the 20-year mean of 71.8 inches. Monthly maxima for 1958 occurred in this area during January, March, and April 1958. The minimum subdivision average for 1958 was 39.8 inches over the Watts Bar Lake region below Norris Dam, Fort Loudoun Dam, and Oakdale, Tennessee. Precipitation on all watershed subdivisions for 1958 is shown on the map on page 6. The tabulation on page 7 lists precipitation and runoff for 1958 for 14 selected watersheds in the Basin. Other tabulations and chart show selected data on precipitation and runoff.

Snowfall was recorded somewhere in the Basin during the first five months and last three months of 1958. The heaviest amounts occurred in January, February, March, and December. The 1958 average snowfall for the Basin was 12.8 inches, with February contributing 64 percent of this amount. The average snowfall in the Basin east of Chattanooga was 17.4 inches and west of that city, 7.5 inches. The maximum for the Basin was 78.7 inches at Maple Spring Gap, North Carolina, located on the French Broad-Pigeon River divide.

Data observed at the four TVA evaporation stations during 1958 are shown in the table on page 9.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations in or near the Basin, together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, descriptions of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Seven reports on special storm investigations were published in monthly issues of this publication during 1958. These reports and the date of issue in which they appear are as follows:

<u>Subject</u>	<u>Monthly Bulletin Containing Report</u>
February 1958 Snowfall, Low Temperatures, and Ice Conditions	February
Tornado of April 5, 1958, in Gunterstown Area	April
Thunderstorm of April 24-25, 1958, in Kingston Area	April
Intense Rainstorms Strike Adjacent Towns of Kingston and Rockwood, Tennessee, on July 23 and 24, 1958	July
Local Intense Storms Strike Upper French Broad River Basin on August 8 and 12, 1958	August
Flash Floods Occur on Small Streams in Upper Holston and Clinch River Basins	August
The report "Floods of January-February 1957 in Tennessee River Basin" was issued as a supple- ment to the August 1958 bulletin	August

TENNESSEE RIVER BASIN PRECIPITATION DURING 1958Precipitation in Inches

<u>Month</u>	<u>Above Chattanooga 1958</u>	<u>Below Chattanooga 1958</u>	<u>Tennessee River Basin</u>			
			<u>1958</u>	<u>Mean</u>	<u>Deviation from Mean</u>	
					<u>Monthly</u>	<u>Cumulative</u>
January	2.67	2.84	2.75	4.95	-2.20	-2.20
February	4.16	3.12	3.67	4.71	-1.04	-3.24
March	3.79	3.76	3.78	5.57	-1.79	-5.03
April	6.51	6.99	6.73	4.38	+2.35	-2.68
May	4.77	4.07	4.44	4.12	+0.32	-2.36
June	3.16	3.47	3.30	4.25	-0.95	-3.31
July	6.86	7.15	7.00	4.93	+2.07	-1.24
August	4.07	2.73	3.44	4.26	-0.82	-2.06
September	2.21	5.06	3.54	3.16	+0.38	-1.68
October	1.50	0.88	1.21	2.83	-1.62	-3.30
November	3.02	4.32	3.63	3.45	+0.18	-3.12
December	2.89	1.02	2.02	4.79	-2.77	-5.89
Total	45.61	45.41	45.51	51.40		

Mean Precipitation figures are for the period 1890-1954.

ANNUAL STREAM FLOW IN INCHES - 1958

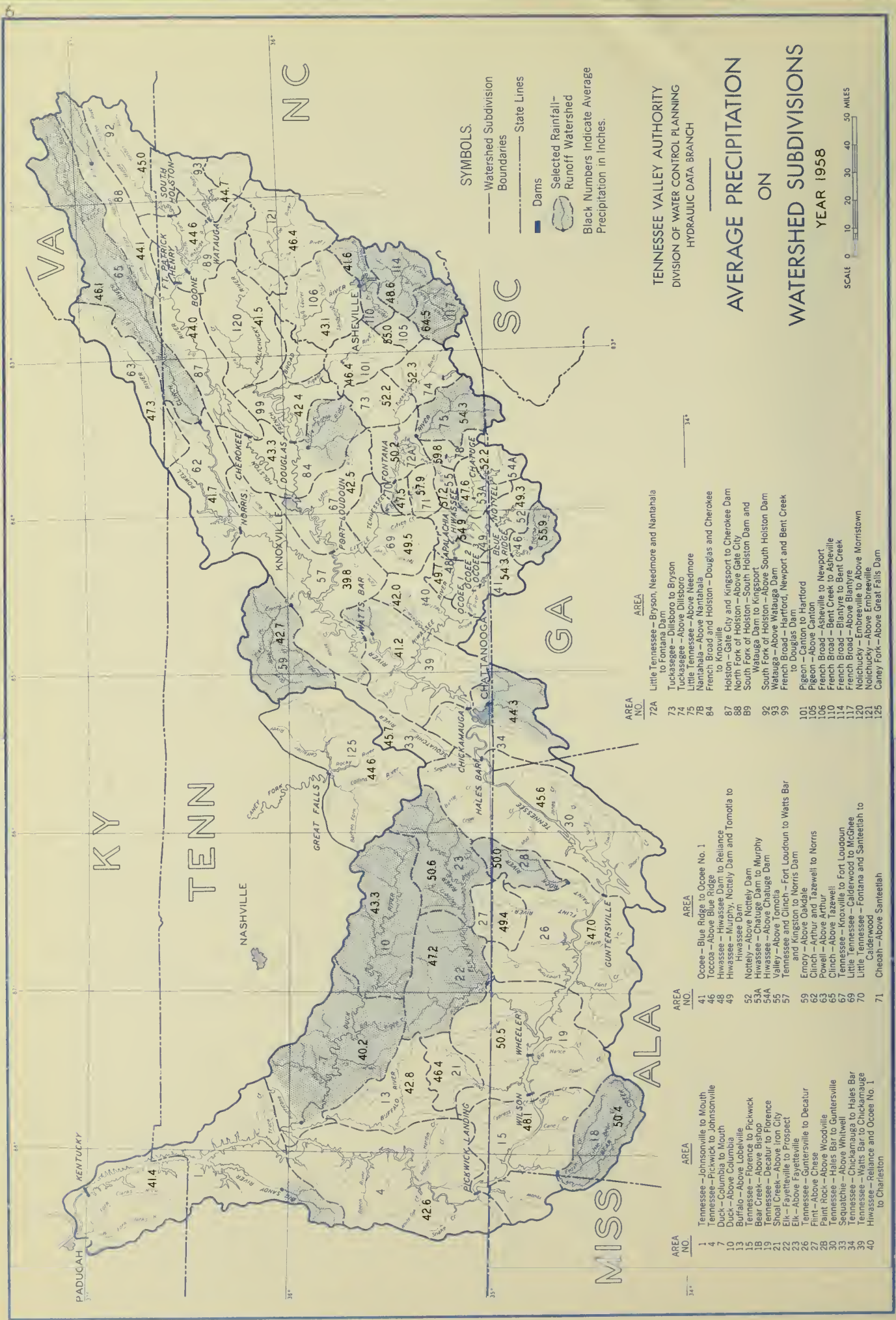
<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1958</u>	<u>Mean</u>	<u>1958</u>	<u>Mean</u>
Knoxville	23.65	19.50	19.35	19.49
Chattanooga	27.83	23.68	20.87	23.66

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1958 MONTHLY AND ANNUAL

Subdivision	Average Precipitation - Inches											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1958 Average	2.75	3.67	3.78	6.73	4.44	3.30	7.00	3.44	3.54	1.21	3.63	2.02
22-Yr. Average	5.67	5.42	5.29	4.30	3.95	3.99	4.88	3.91	3.18	2.41	3.95	4.48
1958 Average	2.67	4.16	3.79	6.51	4.77	3.16	6.86	4.07	2.21	1.50	3.02	2.89
22-Yr. Average	5.09	5.07	5.09	4.03	3.96	4.19	5.39	4.23	3.21	2.50	3.58	4.30
1958 Average	2.84	3.12	3.76	6.99	4.07	3.47	7.15	2.73	5.06	0.88	4.32	1.02
22-Yr. Average	6.34	5.83	5.53	4.60	3.94	3.76	4.30	3.54	3.14	2.30	4.37	4.68
1958 Average	3.26	4.41	3.83	6.44	4.51	3.10	7.26	3.74	1.89	2.24	2.72	4.03
22-Yr. Average	4.25	4.45	4.99	3.96	3.83	4.58	5.76	4.97	3.52	2.83	3.38	3.92
1958 Average	2.68	4.24	3.50	5.89	4.91	3.49	6.50	4.01	1.92	1.89	2.77	3.95
22-Yr. Average	4.28	4.42	4.74	3.79	3.77	4.29	5.57	4.56	3.29	2.61	3.27	3.77
1958 Average	2.41	3.68	3.17	5.17	6.23	3.42	6.32	5.66	1.19	1.24	2.69	3.28
22-Yr. Average	4.12	4.02	4.13	3.36	3.98	3.98	5.24	4.16	2.89	2.11	2.94	3.38
1958 Average	2.50	3.98	3.36	5.68	5.41	3.48	6.43	4.49	1.70	1.55	2.77	3.63
22-Yr. Average	4.30	4.34	4.52	3.63	3.87	4.14	5.41	4.34	3.11	2.19	3.17	3.65
1958 Average	3.17	5.98	4.33	7.24	4.36	3.20	9.24	3.79	2.55	2.05	3.74	2.63
22-Yr. Average	6.09	6.07	6.20	4.70	4.35	4.71	6.10	4.79	3.46	2.94	4.18	5.15
1958 Average	3.25	6.14	4.56	7.22	4.24	2.70	9.60	3.90	2.63	2.34	3.60	2.88
22-Yr. Average	6.09	6.14	6.35	4.74	4.28	4.74	6.28	4.96	3.61	3.03	4.17	5.28
1958 Average	2.20	3.43	3.46	6.75	5.93	3.79	5.55	5.41	1.46	1.52	2.62	3.13
22-Yr. Average	4.78	4.52	4.63	3.57	3.92	4.16	5.06	4.10	2.89	2.15	3.21	3.79
1958 Average	3.10	5.82	4.02	7.42	4.02	2.44	9.69	3.17	3.26	1.69	3.41	2.25
22-Yr. Average	5.85	6.06	6.11	4.74	4.10	4.50	5.89	4.45	3.43	2.78	4.00	5.10
1958 Average	3.11	6.59	3.79	7.17	4.59	2.34	10.14	3.04	3.33	1.97	3.29	2.39
22-Yr. Average	5.78	6.12	6.24	4.90	4.18	4.75	6.26	4.62	3.48	2.87	3.89	5.14

Note: 22-Year Averages Based on 1937-1958 Averages.



SYMBOLS.

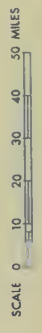
- Watershed Subdivision Boundaries
- Dams
- Selected Rainfall-Runoff Watershed
- State Lines
- Black Numbers Indicate Average Precipitation in Inches.

TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

**AVERAGE PRECIPITATION
ON**

WATERSHED SUBDIVISIONS

YEAR 1958

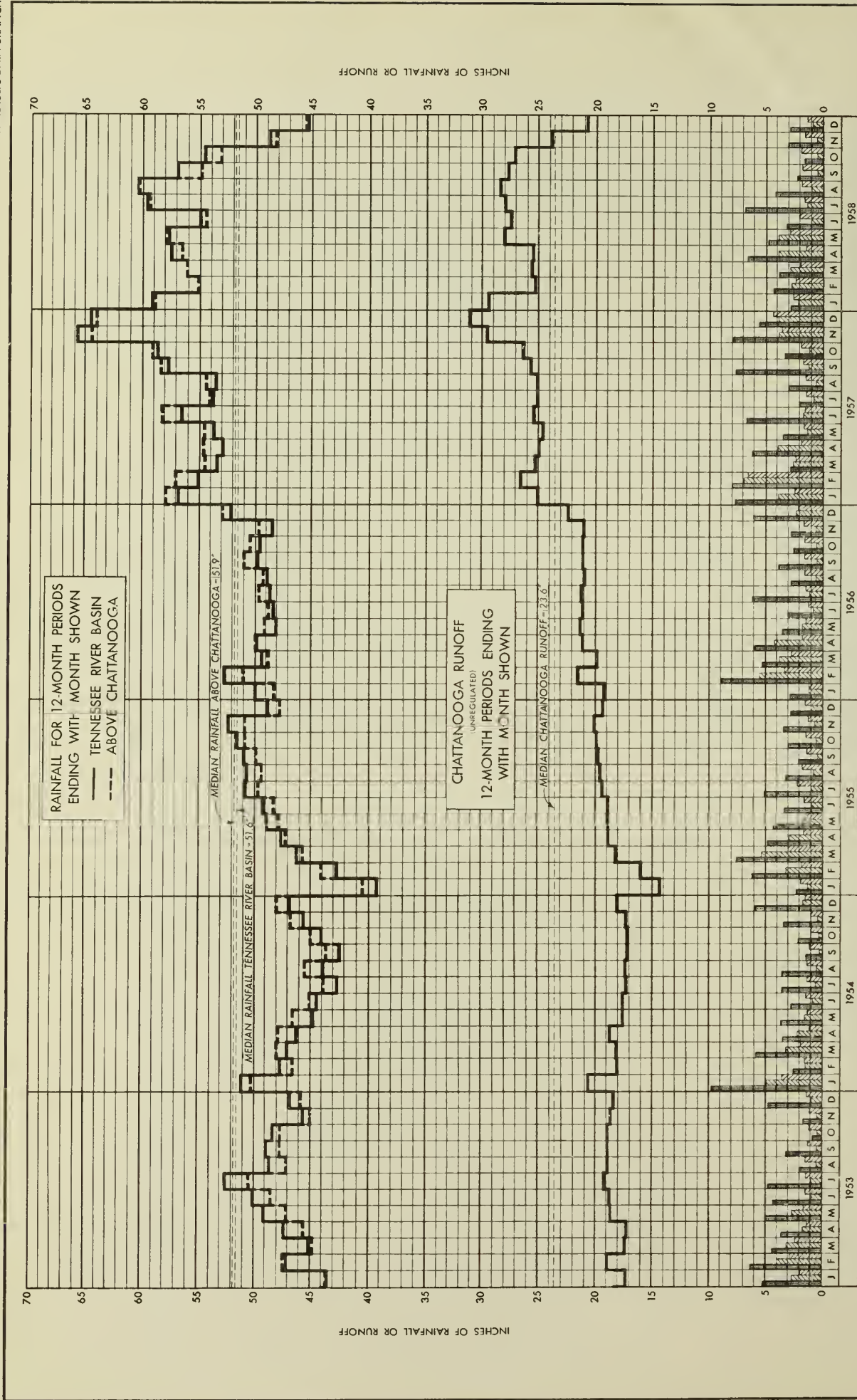


AREA NO.	AREA	AREA NO.	AREA	AREA NO.	AREA
1	Tennessee-Johnsonville to Mouth	72A	Little Tennessee-Bryson, Needmore and Nantahala to Fontana	101	Pigeon-Canton to Hartford
4	Tennessee-Pickwick to Johnsonville	73	Tuckasee-Dillsboro to Bryson	105	Pigeon-Above Canton
7	Duck-Columbia to Mouth	74	Tuckasee-Above Dillsboro	106	French Broad-Ashville to Newport
10	Duck-Above Columbia	75	Little Tennessee-Above Needmore	110	French Broad-Bent Creek to Asheville
13	Buffalo-Above Loblaville	76	Nantahala-Above Nantahala	111	French Broad-Bent Creek to Asheville
15	Tennessee-Florence to Pickwick	77	French Broad and Holston-Douglas and Cherokee to Knoxville	112	French Broad-Above Bartons Creek
18	Bear Creek-Above Bishop	78	French Broad and Holston-Douglas and Cherokee to Knoxville	113	French Broad-Above Bartons Creek
21	Tennessee-Deatur to Florence	79	Holston-Gate City and Kingsport to Cherokee Dam	114	French Broad-Above Bartons Creek
22	Shoals-Above City	80	North Fork of Holston-Above Gate City	115	French Broad-Above Bartons Creek
23	Elk-Above Fayetteville	81	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam	116	French Broad-Above Bartons Creek
26	Tennessee-Guntersville to Decatur	82	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam	117	French Broad-Above Bartons Creek
27	Flint-Above Chase	83	Watauga-Above Watauga Dam	118	French Broad-Above Bartons Creek
28	Paint Rock-Above Woodville	84	French Broad and Holston-Douglas and Cherokee to Knoxville	119	French Broad-Above Bartons Creek
30	Tennessee-Hales Bar to Guntersville	85	Holston-Gate City and Kingsport to Cherokee Dam	120	French Broad-Above Bartons Creek
33	Sequatchie-Above Whitwell	86	North Fork of Holston-Above Gate City	121	French Broad-Above Bartons Creek
34	Tennessee-Chickamauga to Hales Bar	87	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam	122	French Broad-Above Bartons Creek
35	Tennessee-Whitwell to Hales Bar	88	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam	123	French Broad-Above Bartons Creek
36	Tennessee-Whitwell to Hales Bar	89	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam	124	French Broad-Above Bartons Creek
37	Tennessee-Whitwell to Hales Bar	90	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam	125	French Broad-Above Bartons Creek
38	Tennessee-Whitwell to Hales Bar	91	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		
39	Tennessee-Whitwell to Hales Bar	92	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		
40	Tennessee-Whitwell to Hales Bar	93	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		
		94	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		
		95	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		
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		123	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		
		124	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		
		125	South Fork of Holston-South Holston Dam and Kingsport to Cherokee Dam		

RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

<u>Stream</u>	<u>Station</u>	<u>Drainage Area sq.mi.</u>	<u>January 1 - December 31, 1958</u>				<u>Runoff in Percent of Rainfall</u>	<u>Rainfall Minus Runoff inches</u>
			<u>Rain- fall inches</u>	<u>Debar- ture inches</u>	<u>Run- off inches</u>	<u>Debar- ture inches</u>		
Big Sandy River	Bruceton	205	42.8	-11.2	12.2	-6.0	28.5	30.6
Duck River	Hurricane Mills	2571	41.9	-9.9	15.8	-3.0	37.7	26.1
Bear Creek	Bishop	667	50.4	-3.5	20.6	+0.6	40.9	29.8
Elk River	Prospect	1784	48.8	-5.9	19.1	-2.6	39.1	29.7
Paint Rock River	Woodville	320	50.0	-5.6	22.0	-3.8	44.0	28.0
South Chickamauga Creek	Chickamauga	428	44.2	-9.8	16.7	-4.6	37.8	27.5
Toccoa River	Dial	177	57.6	-8.9	33.6	-0.8	58.3	24.0
Sewee Creek	Decatur	117	39.5	-14.0	17.4	-5.6	44.1	22.1
Emory River	Oakdale	764	42.7	-10.7	17.5	-6.4	41.0	25.2
Clinch River	Tazewell	1474	46.1	+1.0	20.5	+0.9	44.5	25.6
Little Tennessee River	Needmore	436	54.3	-6.7	30.5	-0.4	56.2	23.8
North Fork Holston River	Saltville	222	42.1	+0.6	17.8	-0.3	42.3	24.3
Little Pigeon River	Sevierville	353	49.2	-5.3	20.4	-0.7	41.5	28.8
French Broad River	Asheville	945	51.6	-5.2	27.5	+0.6	53.3	24.1

Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions."
Runoff data are furnished by the U. S. Geological Survey and are tentative.



SYMBOLS:

- MONTHLY RAINFALL ABOVE CHATTANOOGA
- MONTHLY RUNOFF AT CHATTANOOGA (UNREGULATED)
- ACTUAL MONTHLY RUNOFF AT CHATTANOOGA (REGULATED)

RAINFALL AND RUNOFF
IN THE
TENNESSEE RIVER BASIN

EVAPORATION DATA—YEAR 1958

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Paris, Tenn.	0.91a	1.27a	1.67	4.08	4.94	6.19	6.39	5.77	4.84	3.18	2.16	0.81	42.21a
Murphy, N. C.	0.95a	0.96a	2.10	3.26a	4.68	5.88	4.80a	5.03	4.02	2.58	1.72	0.92	36.70a
Beetree Dam, N. C.	0.69a	0.93a	1.65	3.53a	4.58	5.67	4.46	4.87	3.54	1.85	1.62a	0.99a	34.38a
Jefferson City, Tenn.	0.93a	1.17a	1.59	3.47	4.50	6.22	4.96	5.23	4.39	2.60	1.44	0.75a	37.15a
Precipitation (Inches)													
Paris, Tenn.	2.79	1.62	7.00	5.16	5.63	1.90	4.75	2.38	4.52	1.00	4.33	2.51	43.59
Murphy, N. C.	2.51	7.58	3.66	8.61	4.73	0.96	8.70	3.55	3.93	1.83	3.36	2.36	51.98
Beetree Dam, N. C.	2.58	3.42	3.32	6.02	3.39	2.84	3.80	4.96	1.84	2.95	2.20	3.68	41.00
Jefferson City, Tenn.	1.74	2.92	3.45	6.35	3.61	4.00	4.83	4.30	1.97	0.72	2.90	3.72	40.41
Average Air Temperature (Degrees F)													
Paris, Tenn.	31	28	42	58	66	72	76	74	70	56	48	31	54
Murphy, N. C.	34	31	45	55	64	72	74	73	67	54	49	35	54
Beetree Dam, N. C.	29	27	41	51	61	67	69	68	62	51	48	34	51
Jefferson City, Tenn.	33	30	45	57	65	73	75	73	67	54	46	31	54
Average Water Temperature (Degrees F)													
Paris, Tenn.	36a	37a	48	60	72	80	84	83	76	62	53a	39a	61a
Murphy, N. C.	39a	38a	54	61	73	82	83	83	76	62	54	42a	62a
Beetree Dam, N. C.	34a	35a	45a	55a	69a	78	80	78	70	55	50a	38a	57a
Jefferson City, Tenn.	37a	38a	50	60	72	80	83	82	74	59	52	38a	60a
Average Relative Humidity (Percent)													
Paris, Tenn.	76	67	76	71	76	72	79	78	76	74	71	72	74
Murphy, N. C.	79	73	79	74	80	78	86	83	81	80	79	80	79
Beetree Dam, N. C.	69	62	74	70	79	83	84	83	79	80	73	74	76
Jefferson City, Tenn.	80	72	81	78	80	75	85	84	78	79	78	80	79
Average Wind Velocity (Miles Per Hour)													
Paris, Tenn.	0.82	1.21	0.70	1.08	0.34	0.45	0.43	0.23	0.33	0.14	0.62	0.43	0.56
Murphy, N. C.	0.46	0.46	0.54	0.50	0.08	0.14	0.15	0.11	0.20	0.19	0.30	0.22	0.28
Beetree Dam, N. C.	1.47	2.30	1.37	1.47	0.68	0.64	0.46	0.41	0.48	0.60	0.99	0.97	0.99
Jefferson City, Tenn.	0.82	1.19	0.91	0.96	0.38	0.66	0.69	0.47	0.39	0.31	0.42	0.44	0.64

a = Partly computed.

MONTHLY AND ANNUAL RAINFALL AND RUNOFFTENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
<u>Rainfall in Inches 1890 - 1958</u>													
1958	2.67	4.16	3.79	6.51	4.77	3.16	6.86	4.07	2.21	1.50	3.02	2.89	45.61
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	7.69	8.37	10.30	9.98	64.09
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.02	1.25	0.77	0.17	0.44	1.06	37.23
Mean	4.57	4.69	5.31	4.17	4.09	4.46	5.29	4.51	3.26	2.84	3.22	4.55	50.96
Median	4.23	4.47	5.15	4.15	3.80	4.47	5.07	4.15	3.08	2.48	2.97	4.20	51.92
<u>Runoff in Inches 1874 - 1958</u> (Unregulated)													
1958	2.07	2.71	2.81	3.80	3.85	0.99	1.35	0.99	0.47	0.45	0.52	0.86	20.87
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean	3.06	3.28	3.75	2.98	2.02	1.44	1.34	1.14	0.85	0.79	1.10	1.91	23.66
Median	2.82	3.12	3.26	2.69	1.83	1.27	1.12	0.96	0.70	0.70	0.84	1.68	23.61
<u>Runoff in Cubic Feet Per Second 1874 - 1958</u> (Unregulated)													
1958	38,500	55,700	52,100	72,900	71,500	18,900	25,100	18,300	9,000	8,400	10,000	16,000	32,900
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean	56,800	67,400	69,600	57,200	37,500	27,600	24,900	21,200	16,300	14,700	21,100	35,500	37,300
Median	52,300	64,100	60,500	51,600	34,000	24,400	20,800	17,800	13,400	13,000	16,100	31,200	37,200

PRECIPITATION STATISTICS FOR SELECTED STATIONSPrecipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>1958</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>ELIZABETHTON, TENNESSEE (67 Years)</u>						
January	3.47	8.13	1947	0.46	1896	1.57
February	3.41	7.59	1944	0.48	1906	3.85
March	4.23	10.72	1899	1.37	1937	2.23
April	3.36	6.05	1912	0.65	1942	4.35
May	4.10	7.73	1915	1.08	1941	5.03
June	4.74	16.38	1872	1.33	1946	2.56
July	5.18	10.56	1896	1.10	1872	5.22
August	4.45	12.14	1901	0.89	1896	7.35
September	2.90	7.61	1928	0.30	1903	1.39
October	2.41	7.61	1918	0.02	1904	0.77
November	2.33	5.02	1948	0.61	1931	2.49
December	3.31	9.87	1872	0.80	1935	3.01
Annual	43.89	58.91	1928	29.06	1941	39.82

HENDERSONVILLE, NORTH CAROLINA (62 Years)

January	4.71	12.40	1906	0.39	1907	4.68
February	4.67	10.73	1891	0.54	1930	4.26
March	5.36	11.67*	1891	0.96	1930	5.11
April	4.32	9.38	1920	0.43	1915	8.26
May	4.42	12.70	1942	0.95	1914	3.63
June	5.27	11.56	1934	0.96	1911	2.75
July	6.23	22.09	1916	1.72	1957	9.56
August	5.80	26.58	1901	0.49	1925	1.08
September	4.39	14.00	1906	0.22	1919	1.25
October	3.99	14.59	1918	0.01	1904	2.00
November	3.36	12.54	1948	0.21	1910	2.87
December	5.18	12.85	1918	0.93	1955	4.67
Annual	57.70	92.60	1901	32.55	1925	50.12

* Also Maximum for March 1952.

KNOXVILLE, TENNESSEE (88 Years)

January	4.72	16.98	1882	1.29	1907	1.66
February	4.75	12.52	1873	0.56	1898	2.25
March	5.09	13.35	1917	0.72	1910	3.26
April	4.26	17.32	1874	0.70	1942	5.72
May	3.77	8.81	1938	0.71	1941	4.57
June	4.13	11.83	1928	1.39	1936	1.81
July	4.62	13.16	1917	0.69	1901	6.17
August	3.86	11.33	1920	1.10	1953	1.41
September	2.87	10.78	1944	0.22	1879	2.69
October	2.48	9.51	1925	0.07	1904	0.86
November	3.34	11.69	1948	0.17	1890	2.89
December	4.35	12.34	1901	0.95	1896	1.68
Annual	48.24	73.87	1875	33.67	1930	34.97

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>1958</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MURPHY, NORTH CAROLINA (83 Years)</u>						
January	5.61	14.85	1882	1.75	1907	2.38
February	5.71	15.10	1873	0.56	1906	7.45
March	6.26	15.34	1917	2.09	1918	3.35
April	4.81	15.40	1874	0.30	1915	8.46
May	4.01	11.25	1929	0.46	1941	4.68
June	4.98	9.31	1884	0.98	1958	0.98
July	5.70	13.42	1950	0.89	1957	8.43
August	4.97	13.96	1920	0.95	1953	3.30
September	3.29	7.44	1951	0.20	1876	3.82
October	3.03	9.27	1949	T	1904	1.77
November	3.77	13.18	1948	0.51	1924	3.46
December	5.25	12.98	1932	1.09	1898	2.32
Annual	57.39	84.80	1875	40.00	1940	50.40

CHATTANOOGA, TENNESSEE (80 Years)

January	5.29	14.74	1882	1.33	1907	4.07
February	5.06	12.30	1939	0.62	1941	3.18
March	5.84	14.05	1899	0.93	1910	4.88
April	4.68	15.29	1911	0.44	1942	5.64
May	3.88	12.00	1929	0.54	1941	2.46
June	4.05	9.40	1949	0.29	1931	4.07
July	4.64	13.49	1916	0.20	1957	5.90
August	3.84	12.36	1920	0.45	1929	5.09
September	3.13	12.19	1957	0.04	1919	4.41
October	2.95	11.91	1925	0.08	1938	0.86
November	3.58	13.59	1948	0.16	1890	2.03
December	5.06	11.69	1942	0.44	1889	1.81
Annual	52.00	72.37	1929	32.68	1904	44.40

LEWISBURG, TENNESSEE (63 Years)

January	5.34	17.05	1950	1.26	1943	3.08
February	5.20	13.14	1939	1.08	1941	2.34
March	5.83	12.50	1902	0.94	1910	2.76
April	4.53	12.60	1912	0.56	1915	8.09
May	4.01	8.50	1933	0.60	1941	3.75
June	3.98	13.46	1900	0.72	1899	3.48
July	4.34	9.85	1941	0.84	1954	5.18
August	3.97	11.40	1923	0.57	1909	3.61
September	3.20	12.41	1957	0.32	1927	6.24
October	2.88	8.88	1919	0.05	1924	0.77
November	3.79	10.27	1948	0.46	1953	4.95
December	4.83	11.71	1922	0.77	1958	0.77
Annual	51.90	66.62	1950	37.42	1904	45.02

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u> <u>Amount</u>	<u>Year</u>	<u>Minimum</u> <u>Amount</u>	<u>Year</u>	<u>1958</u>
<u>MUSCLE SHOALS, ALABAMA* (75 Years)</u>						
January	5.23	13.09	1950	1.98	1914	2.54
February	5.16	13.64	1948	0.54	1941	3.19
March	5.77	16.15	1897	1.26	1910	3.26
April	4.61	16.07	1892	0.74	1930	7.28
May	3.90	11.29	1939	0.16	1941	4.26
June	4.07	13.87	1900	0.60	1897	4.76
July	4.55	14.60	1916	0.77	1935	10.16
August	3.76	10.60	1894	0.35	1948	1.98
September	2.98	7.87	1890	0.00	1897	4.92
October	2.60	11.05	1918	0.00	1924	1.06
November	3.51	11.39	1948	0.16	1949	2.70
December	4.83	14.59	1926	0.83	1958	0.83
Annual	50.97	76.21	1932	30.92	1943	46.94

* Before December 1940, this station was at Florence, Alabama.

JOHNSONVILLE, TENNESSEE (75 Years)

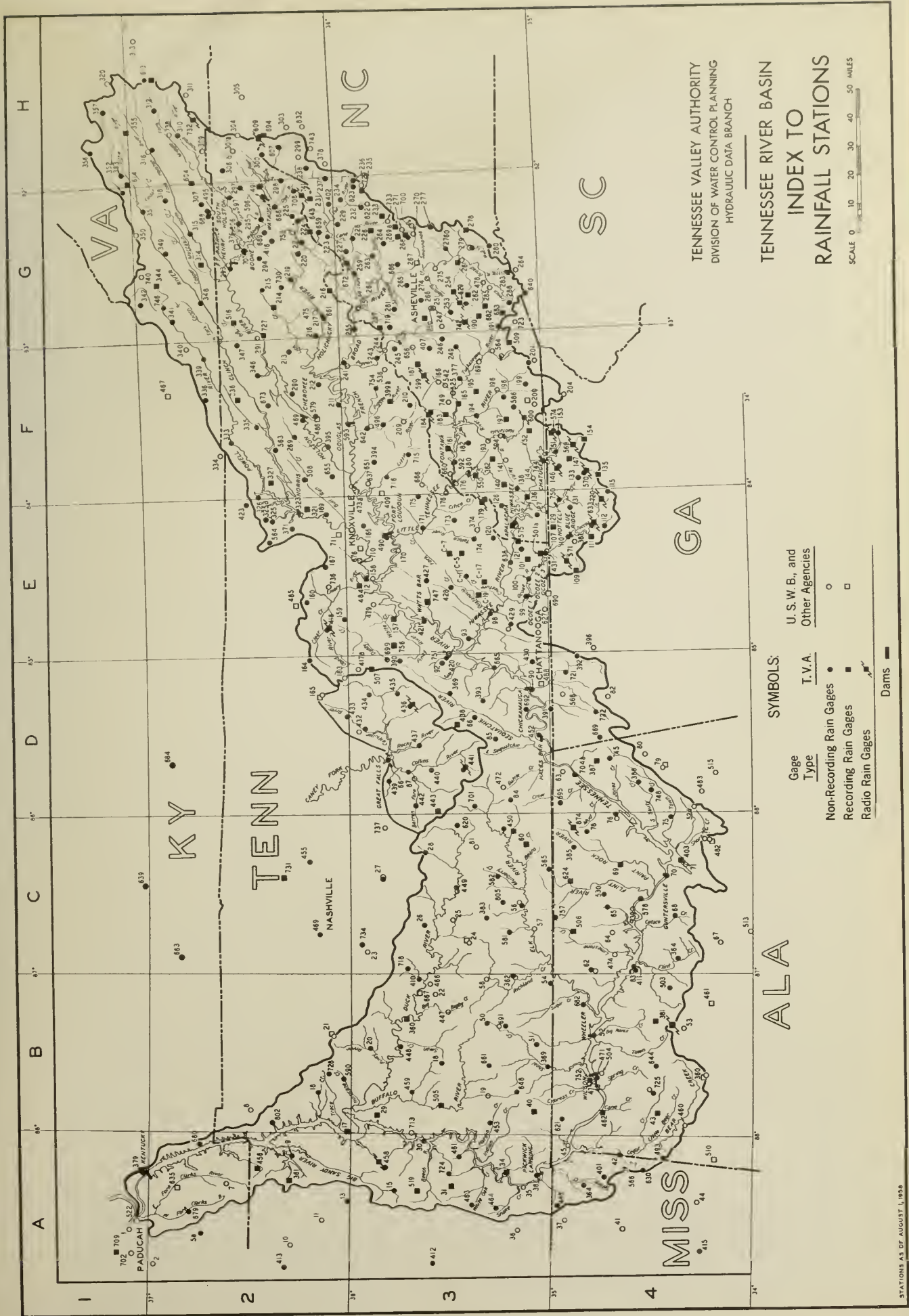
January	5.59	23.51	1937	0.64	1944	2.25
February	4.34	9.56	1939	0.79	1947	1.70
March	5.26	13.07	1927	0.59	1910	4.55
April	4.72	12.29	1892	0.53	1887	4.95
May	4.31	10.19	1909	0.48	1951	2.41
June	4.01	13.34	1928	0.37	1930	2.38
July	4.13	10.12	1892	0.06	1890	5.12
August	3.75	13.70	1914	0.34	1948	2.09
September	3.45	11.31	1921	0.00	1897	3.85
October	2.86	11.44	1919	T	1924	1.01
November	4.18	11.90	1906	0.74	1949	4.03
December	4.53	14.66	1926	0.05	1889	0.94
Annual	51.13	76.17	1950	33.97	1941	35.28

MAXIMUM PRECIPITATION
FOR VARIOUS TIME INTERVALS DURING 1958

<u>Number</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration hours</u>	<u>Precip- itation inches</u>
64	Madison, Ala.	April 5	0.05	0.78
169	Clinton TVA Nursery, Tenn.	July 19	0.5	1.04
135	Neel Gap, Ga. (R)	Aug. 13	1.0	3.00
135	Neel Gap, Ga. (R)	Aug. 13	4.0	5.49
109	Flat Top, Ga. (R)	September	24	6.51
201A	Highlands, N. C.	July 4-10	147	12.08*
135	Neel Gap, Ga. (R)	July 1-31	744	24.13
135	Neel Gap, Ga. (R)	July-Aug.	1488	32.16
135	Neel Gap, Ga. (R)	Apr.-July	2928	43.78
135	Neel Gap, Ga. (R)	Apr.-Sept.	4392	58.22
135	Neel Gap, Ga. (R)	Jan.-Sept.	6552	74.11
179	Haw Knob, Tenn. (R)	Jan.-Nov.	8016	82.76
179	Haw Knob, Tenn. (R)	Jan.-Dec.	8760	86.60

* Also maximum for 168 hours.

(R) Recording gage.



TENNESSEE VALLEY AUTHORITY

ANNUAL 1958 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Y & R	Depth of Snow (Inches)		
1	PAUCAR, NEAR R	A-1	USWB	333	77	2.83	5.00	1.27	3.90	5.94	4.22	11.18	3.03	4.50	3.30	0.93	2.75	3.78	3.95	48.45	45.99	12.4
2	PAUCAR, NEAR R	A-1	USWB	333	19	3.67	5.49	1.11	4.08	6.72	4.51	10.52	3.53	4.57	2.05	1.33	2.05	3.45	3.61	51.04	43.30	11.9
3	PAUCAR, NEAR R	A-1	USWB	304	19	3.67	5.49	1.11	4.08	6.72	4.51	10.52	3.53	4.57	2.05	1.33	2.05	3.45	3.61	51.04	43.30	11.9
709	BEAVER CREEK PLANT R	A-1	TVA	345	5	2.80	3.78	1.31	3.22	6.11	4.66	13.43	4.12	4.29	2.30	0.99	2.39	3.94	4.34	40.9	48.63	44.01
710	BEAVER CREEK PLANT R	A-1	TVA	345	5	2.80	3.78	1.31	3.22	6.11	4.66	13.43	4.12	4.29	2.30	0.99	2.39	3.94	4.34	40.9	48.63	44.01
379	KENTUCKY DAM R	A-1	TVA	479	34	3.47	5.04	1.33	4.33	6.99	5.23	10.91	3.79	4.94	3.27	1.03	3.15	4.48	3.99	45.27	46.97	13.0
379	KENTUCKY DAM R	A-1	TVA	362	21	2.84	4.99	1.28	4.31	5.09	3.21	9.32	3.97	4.77	3.94	0.86	2.60	3.94	3.92	39.23	45.25	---
379A	KENTUCKY DAM R	A-1	TVA	362	14	2.84	4.99	1.28	4.31	5.09	3.21	9.32	3.97	4.77	3.94	0.86	2.60	3.94	3.92	39.23	45.25	---
679	BICKSVILLE	A-2	TVA	440	11	2.72	5.81	1.59	5.06	6.22	5.00	10.36	4.32	4.40	3.83	1.02	2.60	4.48	4.53	43.11	45.25	---
3A	WATFIELD SUBSTA.	A-2	TVA	364	15	3.45	5.31	2.00	4.31	5.94	5.03	9.75	4.68	4.54	3.97	0.99	2.73	4.42	4.75	43.11	45.25	---
635	BEAVER R	A-2	USWB	410	14	2.84	5.66	0.95	4.31	5.90	5.08	10.36	4.32	4.40	3.83	1.02	2.60	4.48	4.53	43.11	45.25	---
635	BEAVER R	A-2	USWB	412	33	2.95	5.27	1.02	4.07	5.70	5.74	10.36	4.32	4.40	3.83	1.02	2.60	4.48	4.53	43.11	45.25	---
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
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635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4
635	BEAVER R	A-2	TVA	390	11	2.32	6.20	1.82	5.35	5.68	5.67	11.38	4.41	4.31	3.48	0.86	2.55	4.30	4.87	38.73	47.73	10.4

TENNESSEE VALLEY AUTHORITY

ANNUAL 1958 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Trce. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Y T A P	Depth of Snow (Inches)		
TENNESSEE RIVER - JOHNSONVILLE TO PICKWICK (CONT'D)																						
463	EVILLVILLE	A-3	TVA	237	13	2.06	7.35	41.79	5.56	3.00	5.11	5.36	4.84	4.25	2.86	3.85	3.38	2.65	3.38	4.05	3.3	
464	SAVANNAH	A-3	USRB	440	76	2.72	6.83	1.86	5.39	2.03	5.91	7.99	4.45	4.68	3.86	4.70	3.88	2.65	3.88	4.05	3.3	
465	SAVANNAH R	A-3	TVA	450	13	2.79	6.83	1.86	5.39	2.03	5.91	7.99	4.45	4.68	3.86	4.70	3.88	2.65	3.88	4.05	3.3	
466	LEAFWOOD, NEAR	A-3	TVA	440	13	3.25	6.43	2.00	5.62	3.10	5.80	6.70	4.51	4.90	3.65	3.70	3.49	6.35	3.62	4.05	3.3	
467	SELMER	A-3	USRB	470	35	4.66	6.37	1.16	5.67	3.66	5.85	7.13	4.50	4.32	3.90	3.23	3.19	5.13	3.46	4.05	3.3	
468	ACTON, NEAR	A-4	TVA	510	19	43.13	7.23	1.99	6.60	3.80	5.48	6.92	5.09	5.31	4.02	9.12	3.99	0.92	4.44	4.05	3.3	
469	CUMMINS	A-4	USRB	470	35	2.97	6.34	3.82	5.71	6.92	4.65	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	3.3	
TENNESSEE RIVER - PICKWICK TO FLORENCE																						
470	PICKWICK DAM	A-3	TVA	479	24	3.22	6.63	1.98	5.34	3.65	5.24	7.00	4.79	5.43	3.41	2.71	3.23	5.37	2.78	4.05	3.3	
471	MINNAPOLIS	A-4	USRB	560	20	3.97	6.22	2.32	5.90	3.26	4.25	4.05	3.66	4.05	3.66	4.05	3.66	4.05	3.66	4.05	3.3	
472	BOONVILLE	A-4	USRB	504	64	2.91	6.17	2.75	7.78	5.01	6.33	7.44	4.76	4.25	4.48	3.33	3.39	7.21	2.91	4.05	3.3	
473	BLOOMING R	A-4	TVA	470	24	3.19	6.88	3.79	6.15	3.21	6.53	8.59	5.02	5.34	4.15	6.16	3.28	7.11	4.23	3.79	4.05	3.3
474	RUSSELLVILLE	B-4	TVA	740	6	2.48	5.46	3.70	6.40	3.66	4.25	7.53	6.78	4.64	3.67	3.23	2.99	7.10	3.39	0.47	4.05	3.3
475	TIKEMINGO	A-4	USRB	550	18	43.03	6.43	3.04	3.02	3.04	3.02	7.81	4.56	5.01	3.23	3.23	3.90	6.44	2.91	4.07	4.05	3.3
476	BLAIRMONT, NEAR	A-4	TVA	585	16	3.14	7.22	3.60	7.21	3.27	6.68	9.53	7.77	3.45	3.76	6.24	2.92	4.19	4.01	3.21	4.05	3.3
477	RED BAY	A-4	TVA	630	18	3.04	6.25	4.10	6.24	3.74	6.29	7.20	4.77	4.38	3.33	3.90	7.53	2.90	0.79	2.12	4.05	3.3
478	EDDIES	B-4	USRB	870	21	2.81	6.24	3.12	6.61	4.12	6.04	6.56	3.76	3.46	3.95	4.38	4.11	7.32	2.92	0.64	4.05	3.3
479	BEAR R	A-4	USRB	520	18	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
480	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
481	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
482	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
483	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
484	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
485	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
486	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
487	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
488	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
489	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
490	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
491	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
492	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
493	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
494	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
495	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
496	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
497	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
498	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
499	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
500	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
501	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
502	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
503	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
504	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
505	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
506	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
507	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
508	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
509	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
510	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
511	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
512	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	3.3
513	BEAR R	A-4	USRB	335	50	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6.14	2.23	6	

TENNESSEE VALLEY AUTHORITY

ANNUAL 1958 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev. Rec'd	Yrs. of Rec'd	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL	Y. E. R.	Depth of Snow (Inches)								
TENNESSEE RIVER - FLORENCE TO GUNTERSVILLE (CONT'D)																												
719	REYNOLDS ARSENAL	C-4	USNR	573	4	2.41	6.27	3.23	8.87	2.24	2.25	9.15	2.11	3.46	1.13	2.60	3.50	0.31	41.78	11.4								
510	MONTE SANO NO. 6	C-4	TVA	1600	18	3.01	6.27	3.23	8.87	2.24	2.25	9.15	2.11	3.46	1.13	2.60	3.50	0.31	41.78	11.4								
506	TONEY R.	C-4	TVA	925	18	1.97	6.26	3.23	8.87	2.24	2.25	9.15	2.11	3.46	1.13	2.60	3.50	0.31	41.78	11.4								
721	BETHEL	C-4	TVA	875	17	2.49	6.86	3.05	10.42	5.03	2.84	5.27	4.25	7.03	0.64	2.06	3.06	0.97	51.66	4.7								
594	FAINT ROCK R.	C-4	TVA	760	16	2.72	6.06	2.71	5.60	3.63	3.89	4.30	4.15	6.19	3.79	2.04	4.91	5.05	0.83	49.85	53.89							
595	SWAIN	C-3	TVA	980	17	3.07	6.22	2.79	6.33	3.92	3.04	4.15	4.09	6.25	3.53	2.04	5.50	4.86	0.54	48.36	54.13							
59	FAINT ROCK R.	C-4	TVA	605	23	3.28	6.46	3.01	6.34	3.66	3.43	4.05	3.78	4.40	2.42	3.56	2.35	5.19	4.01	49.57	54.46							
315	LAURENS	C-4	TVA	665	23	3.44	6.63	3.75	6.46	4.77	3.68	4.47	4.22	3.86	1.96	2.84	4.87	4.36	1.09	55.3	49.62							
78	BTDP	C-4	TVA	1615	24	4.29	6.75	4.80	8.00	5.12	2.79	4.09	3.76	4.12	10.12	5.81	2.11	3.55	4.81	5.79	54.40	59.66	16.8					
674	BTDP, RADIO	C-4	TVA	1735	11	4.2	4.8	3.9	6.2	2.4	3.5	7.9	5.5	3.3	0.6	4.9	0.9	43.6	---	---								
ELA RIVER																												
54	BETHEL	8-3	TVA	690	24	3.08	6.75	3.43	6.08	7.36	3.93	2.83	3.15	3.18	3.61	4.45	3.60	0.90	2.62	5.01	4.45	4.83	47.05	54.74	4.2			
332	PULASKI	8-3	TVA	760	20	2.91	6.41	3.05	5.60	4.95	3.99	2.60	3.28	4.90	3.98	2.10	3.50	1.32	2.68	4.40	4.43	5.03	48.20	52.93	3.3			
354	PULASKI WATER PLANT	8-3	USNR	693	2	2.78	6.69	3.18	8.19	4.53	1.72	2.25	4.41	5.33	2.08	2.53	1.85	4.53	1.29	4.85	1.29	4.85	43.83	54.74	5.5			
54	LYNNVILLE, HEAD	8-3	USNR	744	70	3.16	6.69	3.18	8.19	4.53	1.72	2.25	4.41	5.33	2.08	2.53	1.85	4.53	1.29	4.85	1.29	4.85	43.83	54.74	5.5			
57	COLEMAN	C-3	USNR	645	63	2.62	6.27	2.97	5.87	3.16	3.41	3.15	3.15	3.66	3.25	2.43	1.14	3.94	1.05	55.84	55.74	---	---	---				
581	SPRINGFIELD	C-3	TVA	680	17	2.69	6.08	3.01	8.01	4.47	3.80	3.49	3.49	3.69	3.13	2.22	2.59	4.55	0.93	43.73	55.74	3.2	---	---				
582	FAIRVIEW	C-3	TVA	700	17	2.41	5.70	3.03	5.23	4.32	3.99	3.13	3.13	3.79	3.10	2.61	3.09	3.98	1.14	48.30	51.89	1.8	---	---				
583	FAIRVIEW	C-3	USNR	693	43	3.03	5.70	3.05	5.21	3.12	3.99	3.13	3.13	3.79	3.10	2.61	3.09	3.98	1.14	48.30	51.89	1.8	---	---				
605	SELLEVILLE	C-3	TVA	725	17	2.97	7.14	3.79	6.93	4.42	4.45	3.80	3.80	2.89	2.85	1.43	2.23	1.23	5.77	46.32	58.44	4.4	---	---				
333	SELLEVILLE	C-3	TVA	926	20	2.97	7.14	3.79	6.93	4.42	4.45	3.80	3.80	2.89	2.85	1.43	2.23	1.23	5.77	46.32	58.44	4.4	---	---				
532	LYNNVILLE	C-3	TVA	780	17	2.83	6.93	3.42	5.95	4.93	3.43	3.05	3.64	3.98	3.10	1.56	3.10	4.35	1.04	5.67	45.07	57.05	2.0	---	---			
60	BEVERLY R.	C-3	TVA	970	23	3.11	6.08	2.71	5.83	7.29	3.34	3.90	3.95	10.38	4.88	3.01	3.76	2.44	3.80	1.60	4.53	1.60	4.53	30.05	---	---		
61	TULLAHOMA	C-3	TVA	1065	72	2.84	6.19	2.90	5.95	3.78	3.42	2.90	3.76	3.21	3.76	2.90	3.76	2.90	3.76	2.90	3.76	2.90	3.76	2.90	3.76	2.90	3.76	2.90
450	WINCHESTER SUBSTA.	C-3	TVA	960	19	3.24	6.61	3.73	5.36	2.86	5.19	4.71	3.74	3.80	3.98	2.72	4.52	2.84	3.73	3.88	0.69	3.00	50.40	53.51	3.0	---	---	
450A	WINCHESTER R.	C-3	TVA	960	19	3.24	6.61	3.73	5.36	2.86	5.19	4.71	3.74	3.80	3.98	2.72	4.52	2.84	3.73	3.88	0.69	3.00	50.40	53.51	3.0	---	---	
701	MONTEAGUE	D-3	TVA	1011	9	3.16	6.00	3.44	5.98	4.76	5.21	4.04	4.04	3.21	0.49	1.81	1.06	5.42	52.63	53.41	4.5	---	---					
472	MONTEAGUE	D-3	USNR	1200	19	3.16	6.00	3.44	5.98	4.76	5.21	4.04	4.04	3.21	0.49	1.81	1.06	5.42	52.63	53.41	4.5	---	---					
TENNESSEE RIVER - GUNTERSVILLE TO CINCINNATI																												
70	GUNTERSVILLE DAM	C-4	TVA	611	23	2.43	5.96	4.01	5.48	4.32	3.01	3.70	4.23	3.71	2.32	2.92	1.13	2.36	3.25	3.62	1.19	4.65	39.94	50.89	7.9	---	---	
403	GUNTERSVILLE R.	C-4	TVA	610	20	2.43	5.96	4.01	5.48	4.32	3.01	3.70	4.23	3.71	2.32	2.92	1.13	2.36	3.25	3.62	1.19	4.65	39.94	50.89	7.9	---	---	
71	GUNTERSVILLE	C-4	USNR	615	48	2.33	6.31	3.97	5.96	4.61	3.35	3.77	4.15	3.93	2.79	2.86	1.57	2.34	3.64	3.48	1.40	4.83	40.99	50.89	7.9	---	---	
72	ALBERTVILLE	C-4	USNR	1060	33	2.31	5.84	4.13	5.61	4.41	3.42	3.76	4.01	3.68	2.65	2.93	1.70	2.34	3.57	3.59	1.60	5.08	44.34	52.15	---	---	---	
482A	BOAT	C-4	USNR	1010	21	2.36	5.79	4.01	5.72	4.61	3.42	3.76	4.01	3.68	2.65	2.93	1.70	2.34	3.57	3.59	1.60	5.08	44.34	52.15	---	---	---	
504	SAND MT. STATE DAM	C-4	API	1195	18	2.76	5.59	3.28	5.93	3.91	3.33	4.09	3.99	3.86	3.59	1.91	2.61	3.23	4.31	1.53	4.31	1.53	4.31	54.07	11.4	---	---	
493	COLLINSVILLE	C-4	USNR	753	21	2.89	6.16	3.82	5.92	4.41	3.68	4.46	3.87	3.68	2.66	2.44	2.35	2.01	3.11	4.06	1.76	5.17	46.70	54.36	7.6	---	---	
315	LAURENS	C-4	USNR	636	66	3.02	6.57	4.27	5.83	4.50	3.76	4.59	3.76	3.86	2.25	0.45	4.00	4.36	3.09	2.77	2.13	1.01	3.91	45.40	55.61	9.0	---	---
75	SOUTH RLL	C-4	TVA	1120	23	2.34	6.24	4.20	5.68	2.99	3.85	3.99	3.99	3.73	1.81	1.73	3.24	1.01	2.95	3.32	3.78	1.95	5.51	45.20	54.95	13.3	---	---
704	FT. PATTE	D-4	USNR	920	23	2.81	6.33	3.33	5.59	3.16	3.49	4.83	3.78	3.66	3.66	3.66	2.70	3.61	2.80	4.86	3.61	2.80	4.86	48.93	52.36	---	---	---
90	VALEY EMO	C-4	USNR	1010	23	2.63	5.70	4.22	5.37	3.46	3.70	4.70	3.87	3.87	3.87	3.87	2.80	3.61	2.80	4.86	3.61	2.80	4.86	48.93	52.36	---	---	---
746	RAINSVILLE	C-4	TVA	1120	3	2.72	5.05	3.65	5.97	3.46	3.70	4.70	3.87	3.87	3.87	3.87	2.80	3.61	2.80	4.86	3.61	2.80	4.86	48.93	52.36	---	---	---
386	STANTON	D-4	TVA	1600	20	2.66	6.16	4.97	6.21	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	13.5	---	---
754	SCOTTSBORO SUBSTA.	C-4	TVA	660	17	2.80	6.11	4.21	5.93	3.80	3.80	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	12.9	---	---
695	FLAUNT GROVE SCHOOL	D-4	TVA	1360	20	2.65	5.59	4.54	5.64	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	12.9	---	---
317	FLAUNT GROVE	D-4	TVA	1360	20	2.65	5.59	4.54	5.64	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	12.9	---	---
745	FLAUNT GROVE	D-4	TVA	1360	20	2.65	5.59	4.54	5.64	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.72	12.9	---	---
WIDOW CREEK STEAM PLANT																												
704A	WIDOW CREEK STEAM PLANT	D-4	TVA	625	9	2.95	5.65	4.95	5.82	3.13	3.11	3.80	2.82	2.47	2.79	4.36	4.01	2.10	3.83	4.60	4.19	3.54	5.04	41.90	50.16	---	---	---
815	BRIDGEPORT	D-3	TVA	690	62	3.71	5.89	4.60	5.91	4.23	3.66	3.84	3.84	3.														

ANNUAL 1958 PRECIPITATION—in Inches

Sta. No.	Section Name and Location	Index	Owner	Elev.	Tres. Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Total	Nor'l	Y E A R	Depth of Snow (Inches)
						Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l				
CLINE RIVER BELOW NORRIS DAM (CONT'D.)																																	
115	FRANKLIN	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
116	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
117	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
118	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
119	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
120	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
121	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
122	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
123	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
124	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
125	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
126	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
127	CLARK	E-2	TVA	1460	19	41.99	5.99	1.44	5.19	3.44	4.89	6.36	3.61	4.45	3.45	2.12	3.46	4.03	4.31	7.60	4.00	2.21	3.00	0.89	2.48	3.32	4.04	1.34	4.74	439.69	49.16	6.5	
CLINE RIVER ABOVE NORRIS DAM																																	
128	TURLEY	E-2	TVA	1410	17	2.92	5.84	42.33	5.46	3.76	5.19	7.24	3.71	4.03	4.73	5.19	4.77	5.18	4.70	5.27	4.28	2.12	3.53	1.81	2.60	3.25	4.37	3.48	2.03	447.58	24.45	3.0	
129	LAUREL	E-2	TVA	1250	25	2.47	5.47	3.41	4.60	3.54	4.87	7.62	3.57	5.41	4.11	4.15	3.62	4.56	5.12	4.70	4.48	2.57	2.54	2.68	2.20	2.94	3.83	3.02	4.50	44.63	49.70	7.1	
130	LAUREL	E-2	TVA	1130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
131	WESTBORO SUBSTA.	E-2	TVA	1340	19	2.24	2.47	3.31	4.63	4.08	5.04	6.62	3.62	4.89	4.32	4.73	4.30	2.93	6.46	3.87	1.63	2.50	1.36	2.37	3.13	3.72	3.22	4.64	42.41	20.35	18.5		
132	WELL SPRING	E-2	TVA	1040	21	1.74	4.96	3.02	4.67	3.18	4.86	6.64	3.19	3.65	4.04	2.81	3.85	3.40	4.85	4.12	3.39	2.04	2.50	2.11	2.12	2.80	3.49	3.45	4.06	39.13	45.93	5.1	
133	ATFURN	E-2	TVA	1010	23	2.45	5.83	3.44	4.36	3.53	5.76	7.36	3.62	6.17	3.77	4.02	3.88	5.36	5.56	4.25	1.56	2.62	2.50	2.34	3.21	3.70	4.03	4.39	47.59	50.11	---		
134	MIDDLEBORO	E-2	USNB	1125	67	2.38	5.72	3.84	4.93	3.94	5.34	4.84	3.72	5.46	3.05	4.18	2.34	4.36	4.74	3.70	2.22	2.65	2.03	2.09	3.19	3.41	4.27	4.42	48.80	47.48	10.4		
135	FORE BELL	E-2	USNB	1475	23	41.85	5.91	2.85	4.69	3.53	3.94	4.83	3.60	7.56	3.94	3.35	4.48	4.75	4.19	3.27	2.50	2.69	1.95	3.27	2.25	3.31	3.70	4.15	48.80	50.20	---		
136	BATES, NEAR R	E-2	USNB	1175	19	2.21	5.00	2.59	4.49	3.46	4.36	7.21	3.71	4.21	3.82	4.26	5.05	4.89	5.27	4.38	1.47	3.12	1.44	0.94	1.39	2.79	3.35	2.65	4.28	47.89	---		
137	JONESVILLE NO. 2	E-2	TVA	1375	24	2.16	5.35	3.27	4.39	2.87	5.02	6.37	3.68	6.64	3.78	2.87	4.36	5.60	5.44	4.45	4.25	1.42	3.22	3.30	2.86	3.32	3.30	4.01	43.38	48.77	---		
138	PENNINGTON GAP	E-2	USNB	1436	27	43.09	5.37	4.39	4.68	3.80	2.98	6.75	3.74	6.80	4.87	3.68	4.17	6.49	5.25	6.39	4.17	2.15	2.63	1.98	2.39	2.83	3.31	3.16	4.32	45.11	49.78	20.5	
139	OLINGER	O-2	TVA	1300	24	2.26	5.39	5.41	4.38	3.63	5.45	7.95	3.45	7.12	3.45	4.22	4.07	4.46	6.80	5.14	4.44	1.99	2.73	1.57	2.23	2.64	3.26	3.34	3.90	52.31	49.73	---	
140	BIG STONE GAP	O-2	TVA	1485	3	2.60	4.10	4.10	4.03	3.22	7.29	6.29	3.79	4.94	4.39	4.88	4.91	7.03	6.41	7.30	6.30	1.25	3.23	1.23	2.30	2.60	3.15	2.67	3.90	50.89	51.73	10.5	
141	BIG KNOX R	O-2	USNB	2900	4	1.97	5.24	43.79	4.03	3.02	5.02	7.29	3.79	4.16	4.39	4.22	4.22	7.19	7.89	5.96	1.59	1.59	1.59	2.30	2.26	3.15	2.75	3.70	44.20	51.73	28.6		
142	WENBAR, VIRGINIA	O-2	TVA	1390	24	2.80	5.17	4.05	4.10	3.19	4.01	7.09	3.71	6.27	4.17	4.22	4.76	6.66	5.50	6.15	4.28	1.38	2.86	1.69	2.42	3.23	3.35	3.07	3.75	50.24	50.32	24.5	
143	WALKER BOLLON R	E-2	TVA	1500	24	1.93	5.21	3.30	4.60	3.06	4.49	4.08	3.65	5.25	3.78	4.65	4.58	4.56	4.61	3.40	3.22	1.59	2.92	1.32	2.22	2.92	3.39	2.56	4.37	40.10	47.35	11.7	
144	WALKERS FORD	E-2	TVA	1080	18	1.42	5.01	3.30	5.06	4.38	4.92	8.17	3.63	4.30	3.93	4.30	3.93	4.56	4.61	3.40	3.22	1.59	2.92	1.32	2.22	2.92	3.39	2.56	4.37	40.10	47.35	11.7	
145	FAIRVIEW, NEAR, TENNESSEE	E-2	TVA	1310	53	1.77	5.20	3.15	4.76	3.17	4.98	7.36	3.33	4.34	3.92	4.43	3.61	4.24	4.78	4.88	3.63	1.17	2.41	1.37	2.09	2.93	3.48	3.32	4.10	42.03	46.34	11.8	
146	FAIRVIEW, NEAR, TENNESSEE	E-2	TVA	1310	53	1.77	5.20	3.15	4.76	3.17	4.98	7.36	3.33	4.34	3.92	4.43	3.61	4.24	4.78	4.88	3.63	1.17	2.41	1.37	2.09	2.93	3.48	3.32	4.10	42.03	46.34	11.8	
147	FAIRVIEW, NEAR, TENNESSEE	E-2	TVA	1310	53	1.77	5.20	3.15	4.76	3.17	4.98	7.36	3.33	4.34	3.92	4.43	3.61	4.24	4.78	4.88	3.63	1.17	2.41	1.37	2.09	2.93	3.48	3.32	4.10	42.03	46.34	11.8	
148	CLARK	O-2	TVA	1260	63	2.27	5.02	3.73	4.16	3.79	4.72	6.21	3.46	6.42	3.23	4.20	4.07	5.67	5.07	5.21	4.16	1.89	2.71	1.30	2.22	2.48	3.13	3.45	3.76	44.92	46.01	---	
149	CLARK	O-2	TVA	1260	63	2.27	5.02	3.73	4.16	3.79	4.72	6.21	3.46	6.42	3.23	4.20	4.07	5.67	5.07	5.21	4.16	1.89	2.71	1.30	2.22	2.48	3.13	3.45	3.76	44.92	46.01	---	
150	CLARK	O-2	TVA	1260	63	2.27	5.02	3.73	4.16	3.79	4.72	6.21	3.46	6.42	3.23	4.20	4.07	5.67	5.07	5.21	4.16	1.89	2.71	1.30	2.22	2.48	3.13	3.45	3.76	44.92	46.01	---	
151	CLARK	O-2	USNB	1765	42	2.45	4.68	3.49	3.21	3.28	4.71	5.37	3.25	5.03	4.11	3.11	4.74	6.08	6.03	6.23	4.61	1.02	2.80	1.39	2.22	2.48	3.13	3.45	3.76	44.92	46.01	---	
152	CLEVELAND, VIRGINIA	O-2	TVA	1940	27	1.96	3.94	3.47	3.44	3.37	4.17	4.37	3.49	6.09	4.39	3.95	3.98	4.49	8.41	3.86	4.02	3.31	1.07	2.09	2.31	2.92	2.35	3.02	2.68	44.10	42.74	---	
153	CLARK	O-2	TVA	1940	27	1.96	3.94	3.47	3.44	3.37	4.17	4.37	3.49	6.09	4.39	3.95	3.98	4.49	8.41	3.86	4.02	3.31	1.07	2.09	2.31	2.92	2.35	3.02	2.68	44.10	42.74	---	
154	CLARK	O-2	TVA	1940	27	1.96	3.94	3.47	3.44	3.37	4.17	4.37	3.49	6.09	4.39	3.95	3.98	4.49	8.41	3.86	4.02	3.31	1.07	2.09	2.31	2.92	2.35	3.02	2.68	44.10	42.74	---	
155	CLARK	O-2	TVA	1940	27	1.96	3.94	3.47	3.44	3.37	4.17	4.37	3.49	6.09	4.39	3.95	3.98	4.49	8.41	3.86	4.02	3.31	1.07	2.09	2.31	2.92	2.35	3.02	2.68	44.10	42.74	---	
156	CLARK	O-2	TVA	1940	27	1.96	3.94																										

ANNUAL 1958 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Tys. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R		Depth of Snow (Inches)	
						Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1	Total	Mo. 1		Total
BOLESON RIVER (CONT'D)																																	
707	BOONE DAM	G-2	TVA	1334	8	2.14	3.99	2.69	4.06	3.95	7.69	3.71	5.20	4.38	4.57	2.99	0.71	2.34	0.61	1.33	2.57	3.26	3.38	3.65	40.38	41.81	12.5						
376	BRISTOL AIRPORT, TENN. R	G-2	USWB	1545	21	2.14	3.30	2.76	3.98	3.25	9.37	3.71	5.24	4.18	4.35	2.89	1.32	2.79	0.82	2.39	2.87	2.56	3.14	3.43	40.54	41.24	19.2						
654	NORTH BRISTOL SUBSTA.	G-2	TVA	1740	11	2.14	4.47	3.47	4.26	3.53	9.81	3.71	6.79	5.24	4.04	4.09	0.97	2.46	0.98	1.60	3.00	3.24	2.44	3.76	45.50	46.03	20.5						
495	BRISTOL	G-2	USWB	1800	26	3.31	5.03	4.49	4.35	4.35	4.89	4.90	5.29	3.79	11.14	4.78	3.43	4.17	6.79	5.24	4.04	4.09	0.95	2.77	0.93	2.02	3.42	2.55	2.46	2.94	45.43	45.74	16.5
684	BRISTOL, NEAR	G-2	TVA	1920	10	2.81	4.82	3.80	4.15	3.90	3.85	3.71	6.79	4.59	4.61	3.69	0.98	3.30	0.63	1.56	3.21	3.02	3.19	3.51	47.61	47.76	21.7						
307	WALLACE, NEAR	G-2	TVA	1895	23	2.18	4.34	3.80	3.32	3.41	3.83	4.31	6.04	4.80	4.56	4.09	0.95	2.77	0.93	2.02	3.42	2.55	2.46	2.94	45.43	45.74	16.5						
305	BLUFF CITY	G-2	TVA	1440	62	1.92	4.44	4.04	3.55	2.89	3.22	4.29	6.01	4.01	5.25	0.94	0.28	0.93	0.53	2.02	3.74	2.76	3.24	3.43	41.53	41.78	13.0						
577	SOUTH BLOSBOM DAM	G-2	TVA	1920	13	2.63	4.48	4.27	4.31	2.53	4.61	4.19	4.35	3.68	7.95	4.89	2.84	4.49	6.02	5.00	5.36	3.13	3.28	3.68	44.34	44.37	13.0						
398	CRANDALL	G-2	TVA	2905	24	4.33	4.84	3.82	3.97	3.69	4.59	5.97	6.35	6.04	5.51	4.79	1.57	3.50	2.59	2.59	4.63	3.16	3.73	3.79	46.46	50.35	31.7						
604	ANKERSON R	H-2	TVA	2000	17	2.18	4.32	4.00	4.17	3.49	4.52	4.61	6.13	4.93	5.06	4.35	0.96	3.22	1.53	2.11	2.32	2.81	3.21	3.06	38.13	42.34	23.5						
739	CHILHOWIE	H-2	USWB	2000	7	2.06	3.98	3.39	4.17	3.49	4.28	4.36	6.43	4.60	5.07	3.82	0.93	2.91	1.71	2.47	2.62	3.86	3.56	2.93	41.92	41.99	---						
312	MARION	H-2	TVA	2200	52	2.66	3.60	3.04	2.79	3.47	3.47	3.34	5.31	4.22	4.70	3.57	0.70	2.83	1.00	2.32	2.78	2.45	3.32	3.26	39.89	40.19	21.1						
613	GROESBECK R	H-2	TVA	2970	16	2.90	3.69	2.48	3.47	3.34	3.88	4.62	6.34	4.36	5.06	4.35	0.96	3.22	1.53	2.11	2.32	2.81	3.21	3.06	38.13	42.34	23.5						
313	YATESVILLE	H-2	USWB	2400	83	3.07	2.82	2.41	2.45	4.67	3.39	4.71	2.71	4.57	3.62	3.43	3.20	4.36	4.25	3.54	4.12	1.55	2.27	2.87	2.59	38.07	36.12	---					
309	DAMASCUS	H-2	USWB	1990	32	2.70	3.89	4.13	3.70	2.79	4.38	4.22	6.34	4.36	5.06	4.35	0.96	3.22	1.53	2.11	2.32	2.81	3.21	3.06	38.13	42.34	23.5						
732	KONAROCK, RADIO	H-2	TVA	2600	24	2.56	4.01	3.85	3.08	2.46	3.32	4.1	5.9	5.2	5.2	4.1	1.2	2.8	1.5	2.1	2.8	2.8	4.5	2.9	45.4	46.1	19.1						
310	LOVES HILL	H-2	TVA	2600	24	2.56	4.01	3.85	3.08	2.46	3.32	4.1	5.9	5.2	5.2	4.1	1.2	2.8	1.5	2.1	2.8	2.8	4.5	2.9	45.4	46.1	19.1						
311	TRUIT DALE	H-2	USWB	3110	24	4.60	4.22	4.05	3.60	5.05	4.61	7.31	8.14	6.66	5.01	4.17	6.44	5.59	9.93	4.69	3.56	3.11	3.85	3.51	61.89	47.75	47.0						
274	CEDAR CREEK	G-2	TVA	1790	24	2.35	4.15	2.75	4.27	4.12	2.98	6.71	5.31	5.28	3.53	2.80	2.64	2.80	3.87	3.31	4.61	4.31	3.61	4.14	41.94	41.94	21.0						
689	JEROME CITY SUBSTA.	G-2	TVA	1580	11	1.45	4.02	3.99	4.02	2.39	4.46	4.36	6.74	5.30	6.74	4.43	0.86	2.53	0.76	1.58	2.26	3.05	3.06	3.44	41.94	41.94	16.5						
416	JEROME CITY VETERANS HOSPITAL	G-2	TVA	1730	41	1.63	4.04	4.55	3.76	2.70	4.56	4.69	6.31	5.31	5.31	1.03	2.77	0.85	2.38	2.32	2.85	3.14	3.70	3.43	43.49	43.71	19.0						
295	KELZABARTON NO. 2	G-2	TVA	1512	67	1.57	3.84	3.85	3.28	2.23	4.15	4.35	6.34	5.31	5.31	1.03	2.77	0.85	2.38	2.32	2.85	3.14	3.70	3.43	43.49	43.71	19.0						
295	STONE MOUNTAIN	G-2	TVA	2590	24	1.18	4.67	4.09	4.26	2.16	5.00	4.36	6.34	5.31	5.31	1.03	2.77	0.85	2.38	2.32	2.85	3.14	3.70	3.43	43.49	43.71	19.0						
703	BOAR MOUNTAIN	G-2	TVA	2995	8	3.05	4.44	3.40	4.20	2.34	4.19	4.77	6.34	5.31	5.31	1.03	2.77	0.85	2.38	2.32	2.85	3.14	3.70	3.43	43.49	43.71	19.0						
741	BIHARKE, RADIO	G-2	TVA	2990	3	4.2	4.4	3.8	4.19	4.77	6.34	5.31	5.31	5.31	5.31	1.03	2.77	0.85	2.38	2.32	2.85	3.14	3.70	3.43	43.49	43.71	19.0						
686	BAKFOR	G-2	TVA	1830	11	2.17	3.70	4.75	4.12	2.19	3.72	4.30	3.94	3.56	3.62	2.96	3.78	8.34	4.89	6.52	3.77	1.30	2.65	2.34	44.43	41.75	26.1						
566	WATKINS DAM	G-2	TVA	1714	12	2.93	4.81	4.35	4.49	2.03	4.90	5.45	4.21	4.35	4.22	3.13	3.43	1.89	3.55	2.10	2.67	3.43	3.13	3.58	49.61	49.21	26.5						
299	BAKFOR ELK	G-2	USWB	2710	51	4.09	4.04	3.67	3.88	3.28	4.73	6.28	4.07	6.28	4.73	6.28	4.73	6.28	4.73	6.28	4.73	6.28	4.73	6.28	4.73	6.28	4.73	26.5					
421	BOULDER R	G-2	TVA	2070	18	2.68	4.05	2.64	4.31	5.96	3.62	4.12	4.48	4.32	4.12	4.48	4.32	4.12	4.48	4.32	4.12	4.48	4.32	4.12	4.48	4.32	4.12	26.5					
304	MOUNTAIN CITY	H-2	USWB	2437	3	2.06	4.00	3.56	4.01	2.45	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	32.6						
305	JEFFERSON	H-2	USWB	2900	23	3.19	3.51	2.77	3.28	3.52	3.92	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	32.6						
293	OWENVILLE	H-2	TVA	2760	24	2.34	4.29	3.86	3.63	1.91	4.37	4.28	4.35	4.28	4.35	4.28	4.35	4.28	4.35	4.28	4.35	4.28	4.35	4.28	4.35	4.28	33.0						
608	GRANDVIEW MOUNTAIN	H-2	USWB	3100	3	4.04	4.06	3.69	4.06	3.69	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	33.0						
300	RESE	H-2	TVA	3340	24	2.97	4.06	3.17	3.60	2.84	4.44	4.75	3.36	4.11	3.35	3.98	0.80	2.96	5.47	4.53	1.92	2.77	2.23	3.02	4.53	4.53	35.4						
607	MAST	H-2	TVA	2675	16	4.08	4.12	3.53	4.87	3.51	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	35.4						
608	ZIONVILLE	H-2	TVA	2710	6	4.08	4.12	3.53	4.87	3.51	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	35.4						
609	TRADE, RADIO	H-2	TVA	3310	12	4.0	2.7	2.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	35.4						
303	RICE MOUNTAIN GAT R	H-2	USWB	4390	12	5.06	4.80	4.05	4.44	4.24	5.35	6.31	5.00	7.19	4.33	5.31	4.78	6.34	5.15	4.46	4.51	2.79	4.23	4.85	4.85	4.85	35.4						
604	MOORE	H-2	USWB	3225	30	5.32	4.09	4.32	3.76	4.45	5.19	6.88	4.28	7.11	4.43	3.89	4.52	4.42	6.43	5.36	5.68	0.86	4.07	2.71	3.83	4.85	35.4						
632	HELMING ROCK	H-2	USWB	3600	12	4.92																											

TENNESSEE VALLEY AUTHORITY

ANNUAL 1958 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

[illegible]

ANNUAL 1958 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

TENNESSEE VALLEY AUTHORITY

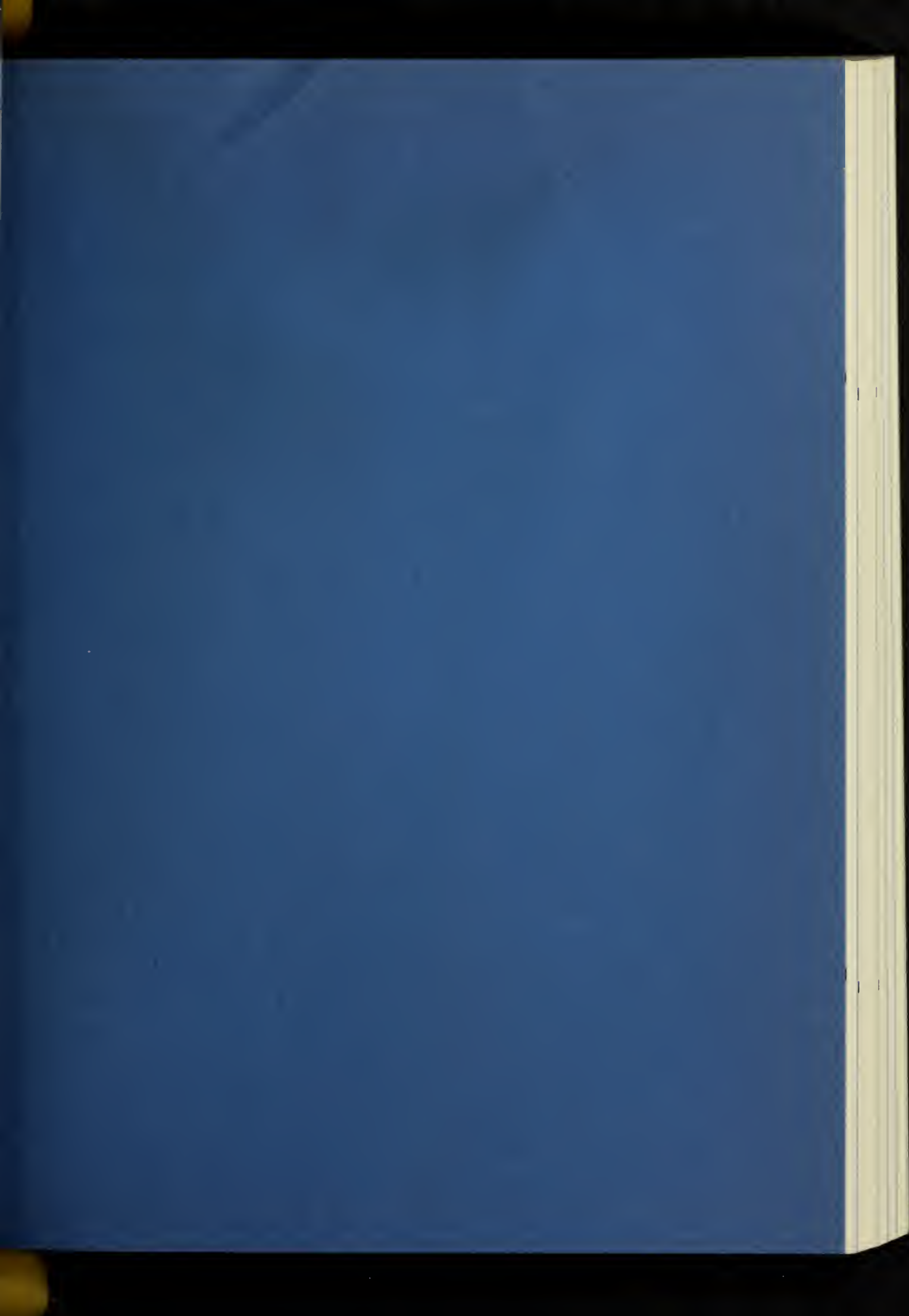
Sta. No.	Station Name and Location	Index	Over	Elev.	Yrs. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Total		Yrs. of Record	Length of flow (Inches)
						Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1	Total	No. of 1		
LITTLE TENNESSEE RIVER ABOVE FONTANA DAM (CONT'D)																																	
54A	THORPE FURNACE	F-3	NFO	2320	17	2.51	2.11	5.32	5.41	3.92	6.20	6.32	4.49	2.48	4.15	1.51	4.42	7.16	5.12	3.85	4.01	1.43	3.27	2.05	2.60	2.77	3.80	2.34	4.99	42.29	24.21	---	
54B	THORPE DAM	F-3	NFO	3250	18	4.66	6.45	5.41	6.73	5.95	7.85	9.17	5.85	4.97	5.24	2.90	9.34	10.34	6.91	2.93	5.61	1.88	5.09	2.62	3.40	3.66	7.13	5.98	72.89	---			
509	LAUREL MOUNTAIN R	F-3	TVA	4250	24	46.24	6.50	7.11	5.38	6.34	6.92	14.39	4.90	5.63	4.20	1.80	2.21	10.89	7.11	7.43	6.90	6.66	4.21	6.28	4.21	5.43	4.75	6.55	2.56	48.77	66.38	---	
101	CARNE GAP	O-3	TVA	3380	24	3.65	5.92	6.26	6.13	7.66	6.44	6.44	5.63	5.78	4.94	2.22	4.36	11.11	7.22	7.35	7.40	3.19	3.18	2.10	4.16	3.60	3.40	4.75	6.23	72.24	21.3		
193	MANTABALA	F-3	NFO	2020	24	3.50	7.11	5.09	6.13	3.09	6.34	7.16	6.18	3.75	4.12	3.13	4.22	11.11	6.38	3.75	4.40	2.19	3.13	2.12	3.60	3.60	3.81	2.49	5.28	74.16	13.1		
594	MANTABALA DAM	F-3	NFO	2020	24	3.50	7.11	5.09	6.13	3.09	6.34	7.16	6.18	3.75	4.12	3.13	4.22	11.11	6.38	3.75	4.40	2.19	3.13	2.12	3.60	3.60	3.81	2.49	5.28	74.16	13.1		
600	WALLACE GAP, RADIO	F-3	TVA	3400	17	3.7	6.24	7.48	7.32	4.28	7.09	7.78	4.97	3.44	4.16	3.25	4.74	10.94	6.13	1.47	4.21	3.32	4.04	1.92	2.16	4.13	4.62	2.4	6.43	53.89	64.90	---	
194	NEEDLER	F-3	TVA	1930	24	3.41	6.24	5.66	5.03	3.89	6.09	6.25	3.86	4.41	3.26	3.25	3.90	9.91	5.36	2.78	4.08	2.41	2.76	1.64	2.22	2.60	3.44	2.44	4.67	41.51	51.06	---	
195	HAYEN MOUNTAIN R	F-3	TVA	4000	24	42.42	6.64	6.24	5.33	4.62	5.94	6.33	3.76	3.62	3.62	3.62	3.62	8.63	6.10	6.89	5.19	4.40	3.41	3.00	2.65	3.77	3.76	2.64	3.13	49.12	76.43	---	
196	FRANKLIN FURNACE	F-3	NFO	2000	25	2.65	3.37	5.53	5.49	4.25	5.60	5.56	3.68	2.76	3.40	2.86	3.68	10.40	5.23	4.18	4.43	1.31	3.27	2.43	2.38	2.75	3.02	2.26	4.44	4.15	49.63	12.5	
198	FRANKLIN FURNACE	F-3	NFO	2130	10	2.37	4.52	5.21	5.21	3.50	5.50	5.38	4.41	2.86	3.67	2.07	4.47	8.27	4.90	2.40	4.12	1.45	3.71	2.71	2.71	2.71	3.02	1.98	4.67	4.15	50.44	12.5	
596	CARTERSVILLE CREEK	F-3	TVA	2500	24	3.83	5.94	6.12	6.45	4.89	7.01	6.33	4.71	2.44	4.22	3.13	4.22	10.89	7.11	7.43	6.90	6.66	4.21	6.28	4.21	5.43	4.75	6.55	2.56	48.77	66.38	---	
197	MAYNARD R	F-3	TVA	3300	24	3.83	5.94	6.12	6.45	4.89	7.01	6.33	4.71	2.44	4.22	3.13	4.22	10.89	7.11	7.43	6.90	6.66	4.21	6.28	4.21	5.43	4.75	6.55	2.56	48.77	66.38	---	
199	OTTO	F-3	TVA	2900	24	2.64	5.73	4.61	5.21	3.05	6.43	7.36	4.34	4.89	3.44	4.27	3.34	4.27	11.31	5.62	3.82	5.22	2.02	3.24	1.35	2.84	3.09	4.38	2.97	6.01	49.79	99.98	13.1
200	COLEMAN NO. 8	F-3	USFB	3890	23	6.36	9.50	9.26	9.09	7.34	10.81	10.77	7.04	3.21	5.62	2.82	3.80	2.81	5.08	4.23	5.60	4.23	5.60	4.23	5.60	4.23	5.60	4.23	5.60	4.23	5.60	4.23	5.60
200A	COMETA NO. 21	F-3	USFB	2875	14	4.90	7.30	6.94	6.81	5.49	7.34	8.73	5.49	4.72	5.18	3.43	6.42	11.04	6.40	5.08	5.72	2.80	4.49	2.02	3.65	3.45	4.94	2.28	6.84	56.59	69.10	---	
201A	BIELANDS, NEAR CAYTON	F-3	TVA	3500	17	5.56	7.46	7.64	6.47	7.01	8.04	10.16	5.40	4.75	5.18	3.43	6.42	11.39	9.40	4.08	7.64	1.99	4.99	2.72	3.42	3.74	5.22	3.74	5.22	78.76	78.76	21.9	
201	BIELANDS, NEAR CAYTON	F-3	USFB	3180	70	4.17	7.46	2.85	6.17	2.97	8.04	9.55	5.40	5.46	5.18	3.46	6.42	16.59	9.50	7.24	7.64	2.48	4.99	2.93	3.42	3.43	3.22	2.87	7.66	68.71	78.76	16.4	
204	FRANKLIN FURNACE	F-3	USFB	2180	64	4.72	6.59	6.33	6.13	5.19	7.59	9.15	5.67	5.44	5.23	2.46	5.14	18.78	9.68	5.69	6.41	1.23	4.28	0.41	3.87	3.56	4.70	3.68	6.70	60.31	67.92	---	
FRANKLIN FURNACE																																	
612A	SEVENVILLE	F-3	TVA	900	40	1.92	3.10	3.21	4.48	3.10	5.29	6.67	3.30	6.09	3.93	3.19	4.20	5.10	4.85	1.18	4.27	2.61	3.24	1.05	2.47	3.17	2.99	3.38	4.38	43.37	45.92	10.5	
612B	SEVENVILLE	F-3	USFB	900	32	1.94	2.80	2.80	4.01	2.65	5.02	5.92	3.08	2.40	2.40	4.70	5.24	5.10	4.85	1.18	4.27	2.61	3.24	1.05	2.47	3.17	2.99	3.38	4.38	43.37	45.92	10.5	
734	JONES COVE	F-3	TVA	1160	3	1.44	4.01	4.01	4.01	2.65	5.02	6.39	3.08	2.40	2.40	4.70	5.24	5.10	4.85	1.18	4.27	2.61	3.24	1.05	2.47	3.17	2.99	3.38	4.38	43.37	45.92	10.5	
309A	FITMAN CENTER R	F-3	TVA	1110	6	1.76	2.64	3.71	3.62	2.76	3.64	6.12	3.48	4.27	3.24	3.59	3.84	8.77	5.30	1.64	6.21	1.68	2.20	1.71	2.21	2.69	2.99	3.37	3.44	44.51	45.01	---	
309B	FITMAN CENTER R	F-3	USFB	1110	6	1.76	2.64	3.71	3.62	2.76	3.64	6.12	3.48	4.27	3.24	3.59	3.84	8.77	5.30	1.64	6.21	1.68	2.20	1.71	2.21	2.69	2.99	3.37	3.44	44.51	45.01	---	
209	GAULBRIDGE, NEAR CAYTON	F-3	USFB	1460	33	2.75	5.48	5.70	4.72	3.09	5.62	6.79	4.31	5.92	4.09	3.98	4.88	7.82	6.99	3.44	5.23	1.54	2.58	1.48	2.63	3.39	3.16	3.21	4.09	49.56	54.20	---	
210	NEEDLER	F-3	TVA	6390	17	1.03	4.72	3.07	5.02	3.17	4.78	6.59	3.47	4.33	3.38	7.66	6.82	5.40	6.88	42.10	9.78	5.50	7.98	4.44	3.92	2.48	3.28	3.44	4.44	4.44	4.44	4.44	---
211	NEEDLER	F-3	TVA	1080	34	1.03	4.72	3.07	5.02	3.17	4.78	6.59	3.47	4.33	3.38	7.66	6.82	5.40	6.88	42.10	9.78	5.50	7.98	4.44	3.92	2.48	3.28	3.44	4.44	4.44	4.44	4.44	---
212	WILLIE PINE	F-2	TVA	1165	24	41.85	4.46	3.47	3.86	3.14	3.44	3.35	3.06	5.06	3.33	2.82	3.43	8.22	4.61	3.31	3.88	1.79	2.56	0.89	2.13	2.42	2.86	4.13	3.7	3.84	439.91	41.44	14.0
213	WILLIE PINE	F-2	TVA	1165	24	41.85	4.46	3.47	3.86	3.14	3.44	3.35	3.06	5.06	3.33	2.82	3.43	8.22	4.61	3.31	3.88	1.79	2.56	0.89	2.13	2.42	2.86	4.13	3.7	3.84	439.91	41.44	14.0
214	WILLIE PINE	F-2	TVA	1165	24	41.85	4.46	3.47	3.86	3.14	3.44	3.35	3.06	5.06	3.33	2.82	3.43	8.22	4.61	3.31	3.88	1.79	2.56	0.89	2.13	2.42	2.86	4.13	3.7	3.84	439.91	41.44	14.0
215	WILLIE PINE	F-2	TVA	1165	24	41.85	4.46	3.47	3.86	3.14	3.44	3.35	3.06	5.06	3.33	2.82	3.43	8.22	4.61	3.31	3.88	1.79	2.56	0.89	2.13	2.42	2.86	4.13	3.7	3.84	439.91	41.44	14.0
216	WILLIE PINE	F-2	TVA	1165	24	41.85	4.46	3.47	3.86	3.14	3.44	3.35	3.06	5.06	3.33	2.82	3.43	8.22	4.61	3.31	3.88	1.79	2.56	0.89	2.13	2.42	2.86	4.13	3.7	3.84	439.91	41.44	14.0
217	WILLIE PINE	F-2	TVA	1165																													

HYDRAULIC DATA BRANCH

ANNUAL 1958 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

Sta. No.	Station Name and Location	Index	Order	Elev.	Year of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Year of Record	Depth of													
						Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total															
213	WATKINSVILLE	F-3	TVA	1260	24	1.50	4.23	3.92	2.82	4.66	6.05	3.82	4.49	3.98	4.84	4.49	10.89	6.27	3.17	4.79	2.16	2.46	1.09	2.40	#2.49	2.67	3.53	3.39	#17.42	47.08	21.6		
214	WATKINSVILLE	F-3	USAB	1440	24	2.25	4.13	4.00	2.82	4.24	5.02	3.64	5.28	3.61	4.40	4.63	11.27	6.26	4.72	4.63	1.58	2.83	1.49	2.40	2.26	2.54	2.70	3.29	49.17	46.80	---		
215	MT. STERLING	F-3	TVA	2590	24	2.14	5.26	4.17	4.38	3.90	5.42	5.58	3.93	5.90	4.06	5.26	4.41	9.80	6.88	6.02	4.94	2.05	3.12	1.97	2.43	2.36	3.30	3.82	3.87	53.37	52.05	45.8	
216	WATKINSVILLE	F-3	USAB	2600	24	1.99	3.18	3.69	2.88	3.98	5.03	3.88	6.70	3.68	4.08	4.30	4.18	5.64	7.81	5.16	4.48	3.09	3.13	2.02	2.48	3.38	3.30	3.83	4.21	41.86	41.00	22.5	
217	WATKINSVILLE	F-3	USAB	2675	24	2.23	4.73	4.19	4.16	2.13	5.24	5.20	3.33	1.77	3.82	4.34	5.30	2.44	4.21	2.04	4.21	3.04	2.37	1.99	2.69	3.19	2.61	3.50	4.45	39.48	39.41	11.0	
218	WATKINSVILLE	F-3	TVA	3280	24	1.48	6.99	4.05	5.89	2.95	6.73	6.40	4.15	4.40	3.73	2.25	4.36	6.90	6.17	2.06	4.28	2.60	3.06	2.60	2.55	3.65	3.83	2.80	5.15	41.74	36.75	84.5	
219	WATKINSVILLE	F-3	TVA	4300	24	2.02	3.47	3.42	2.71	2.40	3.03	2.57	3.47	3.04	2.37	1.19	3.03	5.05	5.19	3.45	4.24	2.57	2.44	1.53	2.26	2.32	2.32	3.71	2.54	48.97	37.05	---	
220	WATKINSVILLE	F-3	USAB	2700	24	2.05	3.47	3.42	2.71	2.40	3.03	2.57	3.47	3.04	2.37	1.19	3.03	5.05	5.19	3.45	4.24	2.57	2.44	1.53	2.26	2.32	2.32	3.71	2.54	48.97	37.05	---	
221	CANTON	O-3	OPALCO	2600	28	2.47	3.22	2.81	3.45	2.56	4.19	5.10	3.03	4.07	2.92	0.81	3.23	4.20	4.98	3.47	4.57	2.76	2.56	1.38	2.51	2.42	2.34	3.81	3.02	35.89	40.32	---	
222	DIX CREEK	O-3	TVA	3060	24	2.86	5.16	3.73	4.18	3.56	5.60	5.98	4.28	4.69	3.33	1.16	3.99	4.33	4.95	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	21.6	
223	MT. FICOLE	O-3	TVA	5160	24	3.91	5.23	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	4.33	4.22	---
224	BIG EAST FORK POND	O-3	TVA	3410	16	3.37	6.76	6.25	7.16	6.37	6.63	8.4	7.0	6.99	6.41	5.18	1.60	5.51	6.38	6.73	5.45	4.99	2.2	1.9	2.7	3.0	3.43	6.55	5.80	6.34	76.65	---	
225	SUNSHINE, RADIO	O-3	OPALCO	3100	3	3.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
226	WOLF CREEK	O-3	TVA	1200	24	1.14	3.28	3.18	2.48	2.99	4.50	4.58	2.93	4.59	3.28	3.54	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
227	WOLF CREEK	O-3	USAB	1335	53	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
228	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
229	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
230	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
231	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
232	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
233	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
234	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
235	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
236	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
237	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
238	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
239	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
240	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
241	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
242	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
243	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
244	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
245	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
246	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
247	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
248	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
249	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
250	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
251	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
252	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
253	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47	2.68	4.46	5.34	3.43	4.78	3.28	3.43	4.66	3.28	3.70	3.80	3.27	3.80	1.37	3.11	1.36	2.16	1.61	2.04	#19.28	42.82	11.6		
254	WOLF CREEK	O-3	USAB	1480	18	1.16	3.48	2.63	3.47																								





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PRECIPITATION IN TENNESSEE RIVER BASIN

FOR THIS YEAR

All Figures are in Inches

AVERAGE PRECIPITATION

Above Chattanooga	(50.99)*	53.78
Below Chattanooga	(52.09)*	52.96
Entire Basin	(51.51)*	53.42

MOST RAIN

Flat Top, Ga.	122.16
---------------	--------

LEAST RAIN

Holston, Va.	31.56
--------------	-------

HIGHEST 24-HOUR RAIN

Sunburst, N. C., on September 29-30	8.7
--	-----

NATURAL STREAMFLOW

Above Knoxville	19.25
Above Chattanooga	21.03

*Mean for 70-Year Period 1890-1959

TENNESSEE VALLEY AUTHORITY

DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1959

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TENNESSEE VALLEY AUTHORITY

GEORGE P. PALO, Chief Engineer

DIVISION OF WATER CONTROL PLANNING

REED A. ELLIOT, Chief Water Control Planning Engineer

HYDRAULIC DATA BRANCH

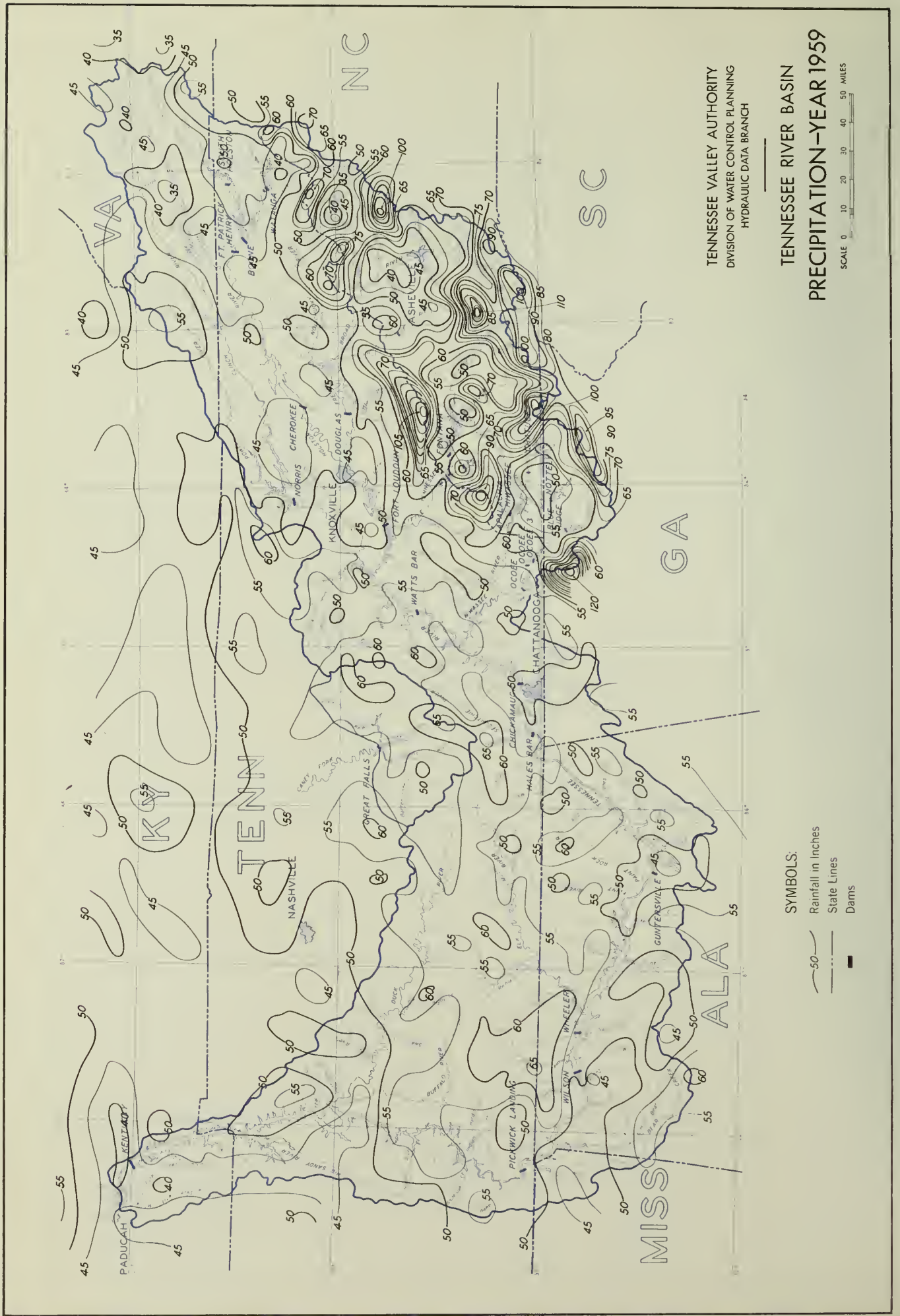
ALBERT S. FRY, Chief of Branch

ANNUAL 1959

PRECIPITATION
IN
TENNESSEE RIVER BASIN

REPORT NO. O-243





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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1959

Precipitation over the Tennessee River Basin during 1959 averaged 53.42 inches, 1.91 inches above the 70-year mean of 51.51 inches. This is the 28th wettest year in 70 years of record since 1890. In the area above Chattanooga, the 1959 average was 53.78 inches, 2.79 inches above the 70-year mean of 50.99 inches. The average below Chattanooga was 52.96 inches, 0.87 inch above the 70-year mean of 52.09 inches. The frontispiece map shows the distribution of precipitation over the Basin for the year 1959. The table on pages 18 to 26 shows monthly and annual precipitation data for stations in the Tennessee River Basin, together with some stations bordering the Basin.

Monthly precipitation in the Basin was below the 70-year mean during five months and was above the 70-year mean in April, May, and September to December, inclusive. July 1959 precipitation equalled the 70-year mean. The wettest month was December with 5.28 inches, and driest was September with 3.25 inches. Above Chattanooga, the wettest month was October with 6.02 inches, and the driest was June with 3.39 inches. Below Chattanooga, the wettest month was December with 6.21 inches and September the driest with 2.91 inches.

The maximum station precipitation for the year 1959 was 122.16 inches at the TVA recording rain gage at Flat Top, Georgia, located on the Blue Ridge Divide in the Toccoa River Basin. This exceeds the 25-year mean of 84.90 inches by 37.26 inches, and is the maximum year in 25 years of record. This station and others listed below, all located in the south-eastern section of the Basin, reported more than 100 inches during 1959:

<u>Station</u>	<u>1959 Annual Precipitation inches</u>
Flat Top, Georgia	122.16
Haywood Gap, North Carolina	112.35
Clingmans Dome, North Carolina	106.74
Coweeta No. 8, North Carolina	103.72
Highlands, North Carolina	102.33
Sassafras Mountain, South Carolina	102.28
Mt. Mitchell, North Carolina	101.73
Cedar Mountain, North Carolina	100.73

The minimum station precipitation for 1959 was 31.56 inches at Holston, Virginia, in the North Fork Holston River area, 9.77 inches less than the 25-year mean of 41.33 inches. This is the second driest year at this station in 25 years of record. Twelve other stations reported totals of less than 40 inches.

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The maximum station precipitation for a month in the Basin for 1959 was 21.62 inches in May at Haywood Gap, North Carolina. This catch is 16.20 inches above the 25-year mean of 5.42 inches and is the maximum May in 25 years of record. The minimum station precipitation for a month was 0.06 inch in July 1959 at Guntersville, Alabama.

The greatest precipitation reported within 24 hours was 8.7 inches at the Sunburst, North Carolina, radio gage on September 29-30, 1959.

Among the watershed subdivisions, the maximum annual average for 1959 was 88.0 inches over the French Broad River basin above Blantyre, North Carolina, 15.7 inches above the 25-year mean of 72.3 inches. Monthly maxima for 1959 occurred in this area during March, April, May, and October. The minimum annual subdivision average was 41.9 inches over the North Fork Holston River above Gate City, Virginia, 0.6 inch below the 25-year mean of 42.5 inches. This area was also the Basin minimum for January 1959. Precipitation on all watershed subdivisions for 1959 is shown on the map on page 6. The tabulation on page 7 lists precipitation and runoff for 1959 for 14 selected watersheds in the Basin. Other tabulations and chart show selected data on precipitation and runoff.

Snowfall was reported somewhere in the Basin during the first four months and the last three months of 1959. Heaviest amounts occurred in January, November, and December. The 1959 average snowfall for the Basin was 4.5 inches, with January contributing 33 percent and December 38 percent of this amount. The average snowfall in the Basin east of Chattanooga was 8.0 inches, and 0.5 inch west of that city. The maximum for the Basin was 44.5 inches at Maple Spring Gap, North Carolina, located near the Tennessee-North Carolina state line in the French Broad River basin. Of this amount, 54 percent was reported in December.

Data observed at the four TVA evaporation stations during 1959 are shown in the table on page 9.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations located in or near the Basin, together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, descriptions of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Five reports on special storm investigations were published in monthly issues of this publication during 1959. These reports and the date of issue in which they appear are as follows:

Monthly Bulletin
Containing Report

High Winds on January 21, 1959	January
Storm of January 21, 1959, over the Kingston Area	January
Flood of January 21, 1959, at Oliver Springs	January
Storm of January 21, 1959, in the Jonathan Creek and Richland Creek Sections of the Pigeon River Basin	January
June 1959 Storms in Beech River Watershed	June

25-Year Mean Annual Precipitation

The distribution of mean annual precipitation in the Basin for the 25-year period 1935-1959 is shown on a map included in this bulletin. The 1959 monthly issues of this bulletin contain the monthly mean precipitation maps for the 25-year period. A supplement to this annual issue is forthcoming which will contain isohyetal maps of 25-year (1935-1959) mean monthly, mean annual, flood season, and crop season precipitation. Included in the supplement will be tabulations of monthly precipitation for the period January 1890 through December 1959 over the Tennessee River Basin and the major subdivisions of the Basin above and below Chattanooga.

TENNESSEE RIVER BASIN PRECIPITATION DURING 1959Precipitation in Inches

<u>Month</u>	<u>Above Chattanooga 1959</u>	<u>Below Chattanooga 1959</u>	<u>Tennessee River Basin</u>			
			<u>1959</u>	<u>Mean</u>	<u>Deviation from Mean Monthly</u>	<u>Cumulative</u>
January	4.58	5.02	4.79	4.91	-0.12	-0.12
February	3.64	4.11	3.86	4.81	-0.95	-1.07
March	4.58	4.30	4.45	5.51	-1.06	-2.13
April	5.37	4.00	4.73	4.47	+0.26	-1.87
May	4.74	4.98	4.85	4.14	+0.71	-1.16
June	3.39	3.96	3.66	4.23	-0.57	-1.73
July	4.79	5.06	4.92	4.92	0.00	-1.73
August	4.09	4.11	4.10	4.18	-0.08	-1.81
September	3.54	2.91	3.25	3.19	+0.06	-1.75
October	6.02	4.34	5.24	2.85	+2.39	+0.64
November	4.58	3.96	4.29	3.54	+0.75	+1.39
December	4.46	6.21	5.28	4.76	+0.52	+1.91
Total	53.78	52.96	53.42	51.51		

Mean precipitation figures are for the period 1890-1959.

ANNUAL STREAM FLOW IN INCHES -- 1959

<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1959</u>	<u>Mean</u>	<u>1959</u>	<u>Mean</u>
Knoxville	15.13	19.44	19.25	19.47
Chattanooga	16.74	23.62	21.03	23.64

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1959 MONTHLY AND ANNUAL

Average Precipitation - Inches

Subdivision	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Entire Tennessee River Basin	4.79 5.64	3.86 5.36	4.45 5.26	4.73 4.32	4.85 3.99	3.66 3.98	4.92 4.88	4.10 3.92	3.25 3.18	5.24 2.53	4.29 3.96	5.28 4.51	53.42 51.53
Area Above Chattanooga	4.58 5.07	3.64 5.00	4.58 5.06	5.37 4.09	4.74 3.99	3.39 4.16	4.79 5.36	4.09 4.23	3.54 3.23	6.02 2.65	4.58 3.62	4.46 4.30	53.78 50.76
Area Below Chattanooga	5.02 6.28	4.11 5.76	4.30 5.47	4.00 4.58	4.98 3.98	3.96 3.77	5.06 4.33	4.11 3.56	2.91 3.13	4.34 2.39	3.96 4.36	6.21 4.75	52.96 52.36
French Broad Above Newport	4.06 4.24	2.87 4.38	4.53 4.97	6.05 4.05	6.64 3.95	3.21 4.52	5.93 5.76	4.39 4.95	7.50 3.69	7.35 3.03	2.58 3.34	3.83 3.92	58.94 50.90
French Broad Above Douglas Dam	3.91 4.27	3.33 4.37	4.37 4.73	6.01 3.89	5.51 3.85	3.20 4.25	5.60 5.57	4.16 4.54	6.03 3.41	6.34 2.77	3.50 3.28	4.11 3.78	56.07 48.71
Holston Above Cherokee Dam	3.12 4.07	2.85 3.97	3.89 4.12	5.27 3.45	3.17 3.95	2.59 3.91	4.02 5.19	3.47 4.13	3.40 2.91	5.55 2.26	4.20 3.00	3.94 3.40	45.47 44.36
Holston and French Broad Above Knoxville	3.64 4.27	3.26 4.29	4.19 4.50	5.66 3.72	4.44 3.89	2.99 4.09	4.93 5.39	3.75 4.32	4.65 3.18	6.02 2.54	4.00 3.21	4.08 3.67	51.61 47.07
Little Tennessee Above McGhee	5.94 6.08	4.41 6.00	5.63 6.17	6.25 4.77	6.06 4.43	4.78 4.71	5.50 6.08	4.17 4.76	3.95 3.48	7.76 3.15	5.46 4.23	4.67 5.13	64.58 58.99
Little Tennessee Above Fontana Dam	5.91 6.08	4.47 6.07	5.92 6.33	6.23 4.81	7.29 4.41	4.38 4.72	5.40 6.24	4.00 4.92	4.29 3.64	8.28 3.26	4.73 4.19	4.57 5.25	65.47 59.92
Clinch Above Norris Dam	4.03 4.75	3.28 4.47	4.04 4.60	4.34 3.60	3.91 3.92	3.06 4.11	3.98 5.02	3.57 4.08	2.38 2.86	5.54 2.29	4.80 3.28	4.36 3.82	47.29 46.80
Hiwassee Above Charleston	5.37 5.83	4.13 5.98	5.02 6.06	6.00 4.79	6.31 4.19	4.27 4.49	5.09 5.85	4.08 4.44	3.53 3.43	7.36 2.98	5.55 4.07	3.86 5.04	60.57 57.15
Hiwassee Above Hiwassee Dam	5.25 5.76	4.11 6.03	4.97 6.18	5.60 4.93	7.32 4.31	4.49 4.74	4.89 6.20	4.30 4.61	3.80 3.49	7.94 3.09	5.05 3.94	3.77 5.08	61.49 58.36

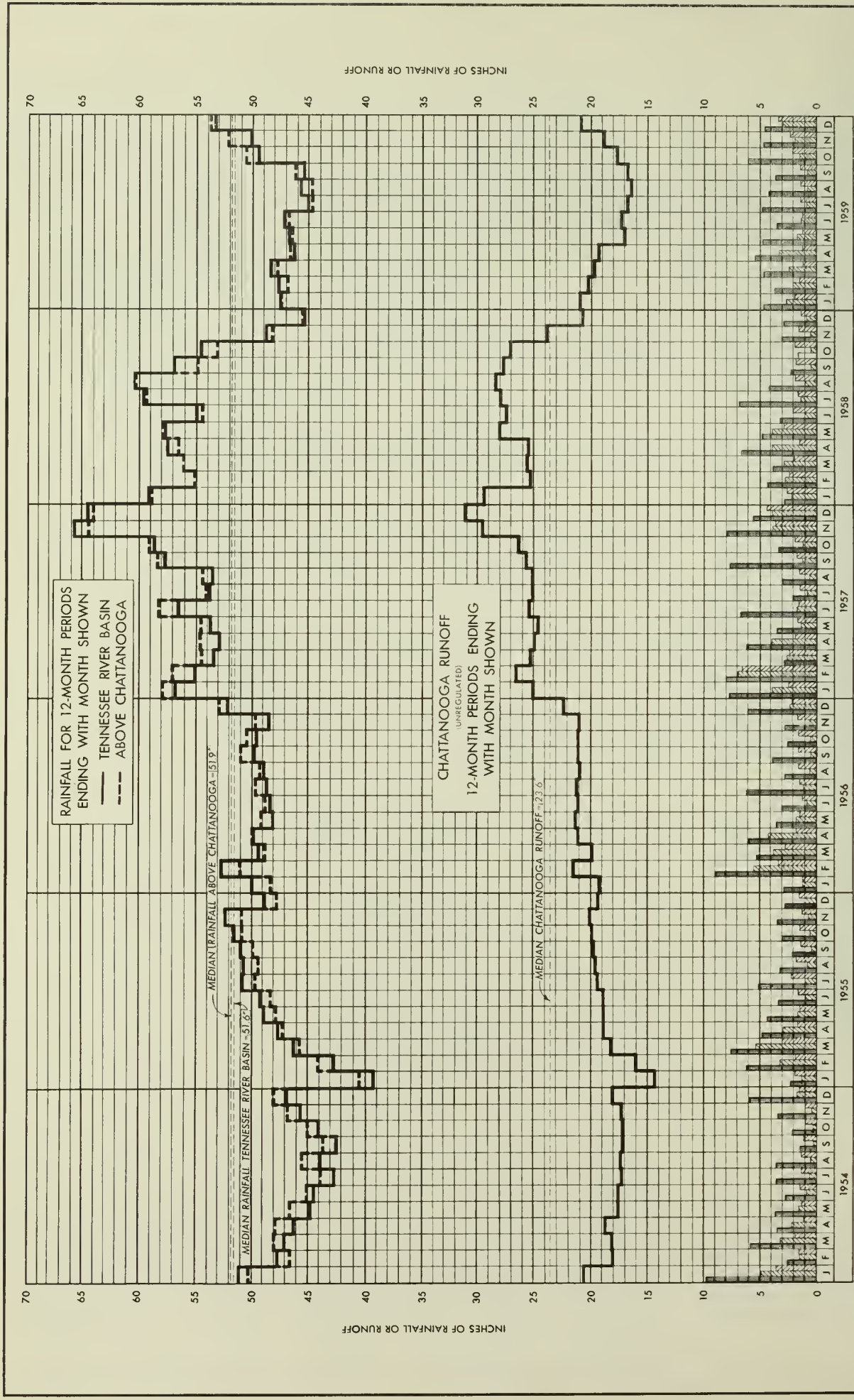
Note: 23-Year Averages Based on 1937-1959 Averages.



RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

Stream	Station	Drainage Area sq.mi.	January 1 - December 31, 1959				Runoff in Percent of Rainfall	Rainfall Minus Runoff inches
			Rain- fall inches	Depar- ture inches	Run- off inches	Depar- ture inches		
Big Sandy River	Bruceton	205	47.7	-5.8	12.4	-5.8	26.0	35.3
Duck River	Hurricane Mills	2571	53.8	+2.4	17.8	-1.1	33.1	36.0
Bear Creek	Bishop	667	53.9	+0.2	17.8	-2.2	33.0	36.1
Elk River	Prospect	1784	56.6	+2.2	19.8	-1.9	35.0	36.8
Paint Rock River	Woodville	320	56.3	+0.9	23.7	-2.0	42.1	32.6
South Chickamauga Creek	Chickamauga	428	50.1	-3.5	15.2	-6.2	30.3	34.9
Toccoa River	Dial	177	68.5	+2.4	32.0	-2.4	46.7	36.5
Sewee Creek	Decatur	117	56.0	+3.1	18.9	-4.1	33.8	37.1
Emory River	Oakdale	764	55.2	+2.3	24.7	+0.8	44.7	30.5
Clinch River	Tazewell	1474	45.3	+0.1	17.3	-2.3	38.2	28.0
Little Tennessee River	Needmore	436	65.7	+5.0	29.2	-1.7	44.4	36.5
North Fork Holston River	Saltville	222	43.0	+1.5	16.1	-2.0	37.4	26.9
Little Pigeon River	Sevierville	353	60.3	+6.0	25.8	+4.7	42.8	34.5
French Broad River	Asheville	945	67.8	+11.3	30.8	+3.8	45.4	37.0

Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions."
Runoff data are furnished by the U. S. Geological Survey and are tentative.



RAINFALL AND RUNOFF
IN THE
TENNESSEE RIVER BASIN

SYMBOLS:

- MONTHLY RAINFALL ABOVE CHATTANOOGA
- MONTHLY RUNOFF AT CHATTANOOGA (UNREGULATED)
- ACTUAL MONTHLY RUNOFF AT CHATTANOOGA (REGULATED)

EVAPORATION DATA—YEAR 1959

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Paris, Tenn.	0.99	1.49	3.74	4.66	5.03	5.08	6.18	5.21	4.90	3.39	1.88	0.87	43.42a
Murphy, N. C.	0.88a	1.30a	2.62	3.64	4.82a	5.70	5.06	4.80	3.55	2.12	1.40	0.79a	36.68a
Beetree Dam, N. C.	0.86a	1.27a	2.60a	4.08	4.77	5.75	4.84	4.56	3.40a	1.66	1.77a	0.69a	36.25a
Jefferson City, Tenn.	0.82a	1.33	2.52	3.72	5.21	5.85	5.91	5.84	4.13	2.35	1.76	0.88a	40.34
Precipitation (Inches)													
Paris, Tenn.	4.36	6.74	2.55	3.05	2.15	3.31	4.17	2.75	2.18	4.04	3.51	4.46	43.27
Murphy, N. C.	4.74	4.21	4.28	5.62	7.12	4.43	4.28	2.04	2.59	5.27	6.20	3.44	54.22
Beetree Dam, N. C.	2.92	2.01	3.59	5.70	5.48	2.21	3.81	4.57	10.89	6.03	1.72	2.44	51.37
Jefferson City, Tenn.	3.63	4.58	4.12	5.39	4.28	1.97	3.12	3.23	0.95	6.24	5.67	4.75	47.93
Average Air Temperature (Degrees F)													
Paris, Tenn.	32	38	47	58	70	72	75	76	70	57	40	41	56
Murphy, N. C.	35	42	44	56	67	70	73	73	67	60	45	41	56
Beetree Dam, N. C.	34	40	42	53	63	66	70	71	63	56	44	38	53
Jefferson City, Tenn.	31	39	42	55	68	72	76	76	69	58	41	39	56
Average Water Temperature (Degrees F)													
Paris, Tenn.	38a	45a	54	61	75	79	83	84	78	64	48a	44a	63a
Murphy, N. C.	40a	49	54	65	76	82	84	84	77	66	51a	45	64a
Beetree Dam, N. C.	39a	44a	50	59a	71	76	79	79	71	60	47a	40a	60a
Jefferson City, Tenn.	39a	47	52	61	76	79	83	83	75	64	49a	43	63a
Average Relative Humidity (Percent)													
Paris, Tenn.	74	73	64	67	76	78	79	83	78	78	72	78	75
Murphy, N. C.	81	76	71	73	80	80	84	87	84	88	79	81	80
Beetree Dam, N. C.	74	72	65	74	81	79	88	88	88	88	76	79	79
Jefferson City, Tenn.	80	74	72	75	80	78	83	83	81	87	83	87	80
Average Wind Velocity (Miles Per Hour)													
Paris, Tenn.	1.10	0.86	1.73	1.28	0.63	0.34	0.29	0.26	0.40	0.36	0.54	0.62	0.70
Murphy, N. C.	0.39	0.44	0.60	0.33	0.42	0.20	0.14	0.10	0.19	0.23	0.37	0.34	0.31
Beetree Dam, N. C.	1.23	1.01	1.82	1.36	0.77	0.59	0.39	0.40	0.63	0.80	1.20	1.13	0.34
Jefferson City, Tenn.	0.61	0.70	1.04	0.89	0.46	0.46	0.44	0.46	0.27	0.34	0.36	0.55	0.55

a = Partly computed.

MONTHLY AND ANNUAL RAINFALL AND RUNOFF

TENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
Rainfall in Inches 1890 - 1959													
1959	4.58	3.64	4.58	5.37	4.74	3.39	4.79	4.09	3.54	6.02	4.58	4.46	53.78
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	7.69	8.37	10.30	9.98	64.09
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.02	1.25	0.77	0.17	0.44	1.06	37.23
Mean	4.57	4.67	5.30	4.19	4.10	4.44	5.28	4.50	3.26	2.89	3.24	4.55	50.99
Median	4.24	4.46	5.08	4.18	3.80	4.46	5.05	4.15	3.14	2.48	3.00	4.22	51.93
Runoff in Inches 1874 - 1959 (Unregulated)													
1959	2.27	2.04	2.28	3.27	1.57	1.23	0.83	0.71	0.71	1.38	1.79	2.95	21.03
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean	3.05	3.27	3.74	2.98	2.02	1.44	1.33	1.14	0.85	0.79	1.11	1.92	23.64
Median	2.81	3.09	3.25	2.71	1.80	1.26	1.12	0.94	0.70	0.70	0.84	1.68	23.59
Runoff in Cubic Feet Per Second 1874 - 1959 (Unregulated)													
1959	42,100	42,000	42,300	62,800	29,200	23,500	15,400	13,200	13,700	25,600	34,400	54,700	33,200
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean	56,600	67,200	69,400	57,200	37,500	27,600	24,700	21,200	16,300	14,700	21,300	35,600	37,200
Median	52,200	63,500	60,300	52,000	33,400	24,200	20,800	17,400	13,400	13,000	16,100	31,200	37,200

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u> 1959
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>ELIZABETHTON, TENNESSEE (68 Years)</u>						
January	3.47	8.13	1947	0.46	1896	3.16
February	3.40	7.59	1944	0.48	1906	2.67
March	4.22	10.72	1899	1.37	1937	3.23
April	3.39	6.05	1912	0.65	1942	5.03
May	4.09	7.73	1915	1.08	1941	2.81
June	4.71	16.38	1872	1.33	1946	2.34
July	5.16	10.56	1896	1.10	1872	3.91
August	4.41	12.14	1901	0.89	1896	1.64
September	2.90	7.61	1928	0.30	1903	2.46
October	2.45	7.61	1918	0.02	1904	4.92
November	2.36	5.02	1948	0.61	1931	4.07
December	3.33	9.87	1872	0.80	1935	4.96
Annual	43.89	58.91	1928	29.06	1941	41.20

HENDERSONVILLE, NORTH CAROLINA (63 Years)

January	4.71	12.40	1906	0.39	1907	4.51
February	4.63	10.73	1891	0.54	1930	2.56
March	5.36	11.67*	1891	0.96	1930	5.62
April	4.35	9.38	1920	0.43	1915	6.22
May	4.46	12.70	1942	0.95	1914	7.38
June	5.21	11.56	1934	0.96	1911	1.28
July	6.19	22.09	1916	1.72	1957	3.83
August	5.80	26.58	1901	0.49	1925	5.84
September	4.47	14.00	1906	0.22	1919	9.37
October	4.08	14.59	1918	0.01	1904	9.69
November	3.34	12.54	1948	0.21	1910	1.76
December	5.16	12.85	1918	0.93	1955	3.56
Annual	57.76	92.60	1901	32.55	1925	61.62

* Also Maximum for March 1952

KNOXVILLE, TENNESSEE (89 Years)

January	4.71	16.98	1882	1.29	1907	3.42
February	4.74	12.52	1873	0.56	1898	3.49
March	5.08	13.35	1917	0.72	1910	4.33
April	4.26	17.32	1874	0.70	1942	3.76
May	3.77	8.81	1938	0.71	1941	3.81
June	4.10	11.83	1928	1.39	1936	1.47
July	4.62	13.16	1917	0.69	1901	5.05
August	3.85	11.33	1920	1.10	1953	2.75
September	2.84	10.78	1944	0.22	1879	0.74
October	2.51	9.51	1925	0.07	1904	5.60
November	3.36	11.69	1948	0.17	1890	5.49
December	4.35	12.34	1901	0.95	1896	4.33
Annual	48.19	73.87	1875	33.67	1930	44.24

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u> 1959
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MURPHY, NORTH CAROLINA (85 Years)</u>						
January	5.60	14.85	1882	1.75	1907	4.85
February	5.69	15.10	1873	0.56	1906	4.22
March	6.23	15.34	1917	2.09	1918	4.27
April	4.82	15.40	1874	0.30	1915	5.57
May	4.04	11.25	1929	0.46	1941	6.97
June	4.97	9.31	1884	0.98	1958	4.40
July	5.68	13.42	1950	0.89	1957	4.05
August	4.93	13.96	1920	0.95	1953	1.94
September	3.28	7.44	1951	0.20	1876	2.56
October	3.06	9.27	1949	T	1904	5.24
November	3.80	13.18	1948	0.51	1924	6.18
December	5.23	12.98	1932	1.09	1898	3.05
Annual	57.33	84.80	1875	40.00	1940	53.30

CHATTANOOGA, TENNESSEE (81 Years)

January	5.30	14.74	1882	1.33	1907	6.11
February	5.03	12.30	1939	0.62	1941	2.90
March	5.81	14.05	1899	0.93	1910	3.83
April	4.68	15.29	1911	0.44	1942	4.30
May	3.89	12.00	1929	0.54	1941	4.64
June	4.03	9.40	1949	0.29	1931	2.00
July	4.60	13.49	1916	0.20	1957	1.44
August	3.83	12.36	1920	0.45	1929	3.58
September	3.13	12.19	1957	0.04	1919	3.33
October	2.98	11.91	1925	0.08	1938	5.63
November	3.60	13.59	1948	0.16	1890	4.49
December	5.06	11.69	1942	0.44	1889	4.50
Annual	51.94	72.37	1929	32.68	1904	46.75

LEWISBURG, TENNESSEE (66 Years)

January	5.34	17.05	1950	1.26	1943	4.88
February	5.18	13.14	1939	1.08	1941	3.70
March	5.85	12.50	1902	0.94	1910	6.96
April	4.53	12.60	1912	0.56	1915	4.71
May	4.03	8.50	1933	0.60	1941	4.97
June	3.97	13.46	1900	0.72	1899	3.33
July	4.35	9.85	1941	0.84	1954	4.84
August	3.97	11.40	1923	0.57	1909	4.21
September	3.18	12.41	1957	0.32	1927	2.08
October	2.89	8.88	1919	0.05	1924	3.46
November	3.81	10.27	1948	0.46	1953	4.91
December	4.86	11.71	1922	0.77	1958	6.75
Annual	51.96	66.62	1950	37.42	1904	54.80

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MUSCLE SHOALS, ALABAMA* (76 Years)</u>						
January	5.21	13.09	1950	1.98	1914	3.76
February	5.14	13.64	1948	0.54	1941	3.62
March	5.74	16.15	1897	1.26	1910	4.02
April	4.62	16.07	1892	0.74	1930	5.18
May	3.90	11.29	1939	0.16	1941	3.85
June	4.05	13.87	1900	0.60	1897	2.01
July	4.53	14.60	1916	0.77	1935	3.26
August	3.75	10.60	1894	0.35	1948	3.34
September	2.97	7.87	1890	0.00	1897	2.31
October	2.62	11.05	1918	0.00	1924	3.99
November	3.51	11.39	1948	0.16	1949	3.49
December	4.85	14.59	1926	0.83	1958	6.14
Annual	50.89	76.21	1932	30.92	1943	44.97

* Before December 1940, this station was at Florence, Alabama.

JOHNSONVILLE, TENNESSEE (76 Years)

January	5.58	23.51	1937	0.64	1944	4.68
February	4.34	9.56	1939	0.79	1947	4.64
March	5.22	13.07	1927	0.59	1910	2.75
April	4.68	12.29	1892	0.53	1887	2.02
May	4.29	10.19	1909	0.48	1951	2.94
June	4.04	13.34	1928	0.37	1930	6.07
July	4.12	10.12	1892	0.06	1890	3.50
August	3.73	13.70	1914	0.34	1948	2.60
September	3.45	11.31	1921	0.00	1897	3.36
October	2.87	11.44	1919	T	1924	3.42
November	4.17	11.90	1906	0.74	1949	3.47
December	4.52	14.66	1926	0.05	1889	3.84
Annual	51.01	76.17	1950	33.97	1941	43.29

MAXIMUM PRECIPITATION
FOR VARIOUS TIME INTERVALS DURING 1959

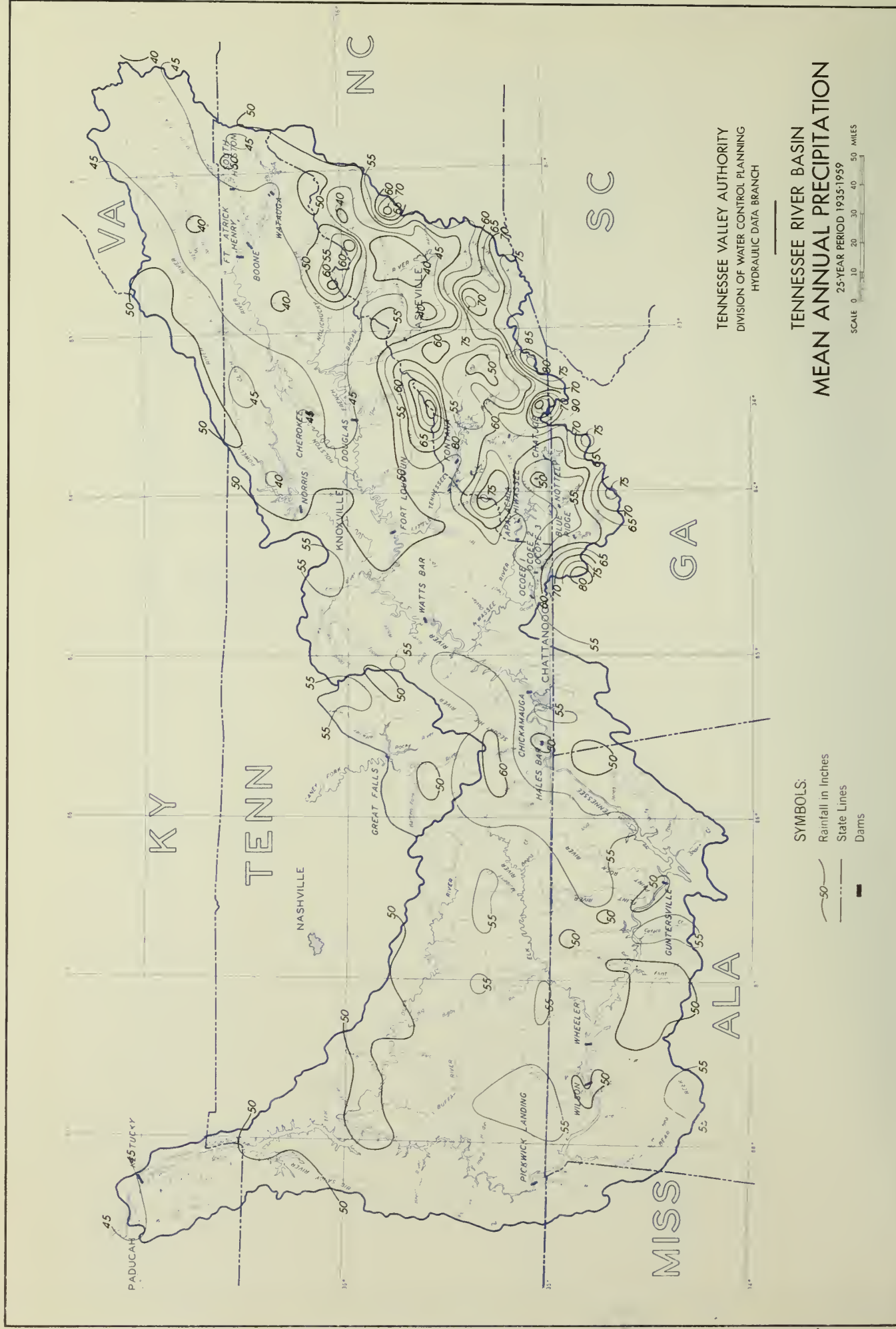
<u>Number</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration</u> hours	<u>Precipitation</u> inches
627	Conasauga, near, Tenn.	June 12	0.3	1.32
506	Toney, Ala. (R)	July 17	1.0	3.50
506	Toney, Ala. (R)	July 17	2.0	6.34
742	Sunburst, N. C. (Radio)	Sept. 29-30	14	8.7 *
201A	Highlands, N. C.	Oct. 6-11	110	13.53**
190	Haywood Gap, N. C. (R)	May 1-31	744	21.62
190	Haywood Gap, N. C. (R)	Mar.-May	2208	41.44
109	Flat Top, Ga. (R)	Jan.-June	4344	67.26
109	Flat Top, Ga. (R)	Jan.-Sept.	6552	87.07
109	Flat Top, Ga. (R)	Jan.-Dec.	8760	122.16

* Also maximum for 24 hours.

** Also maximum for 168 hours.

(R) Recording gage.

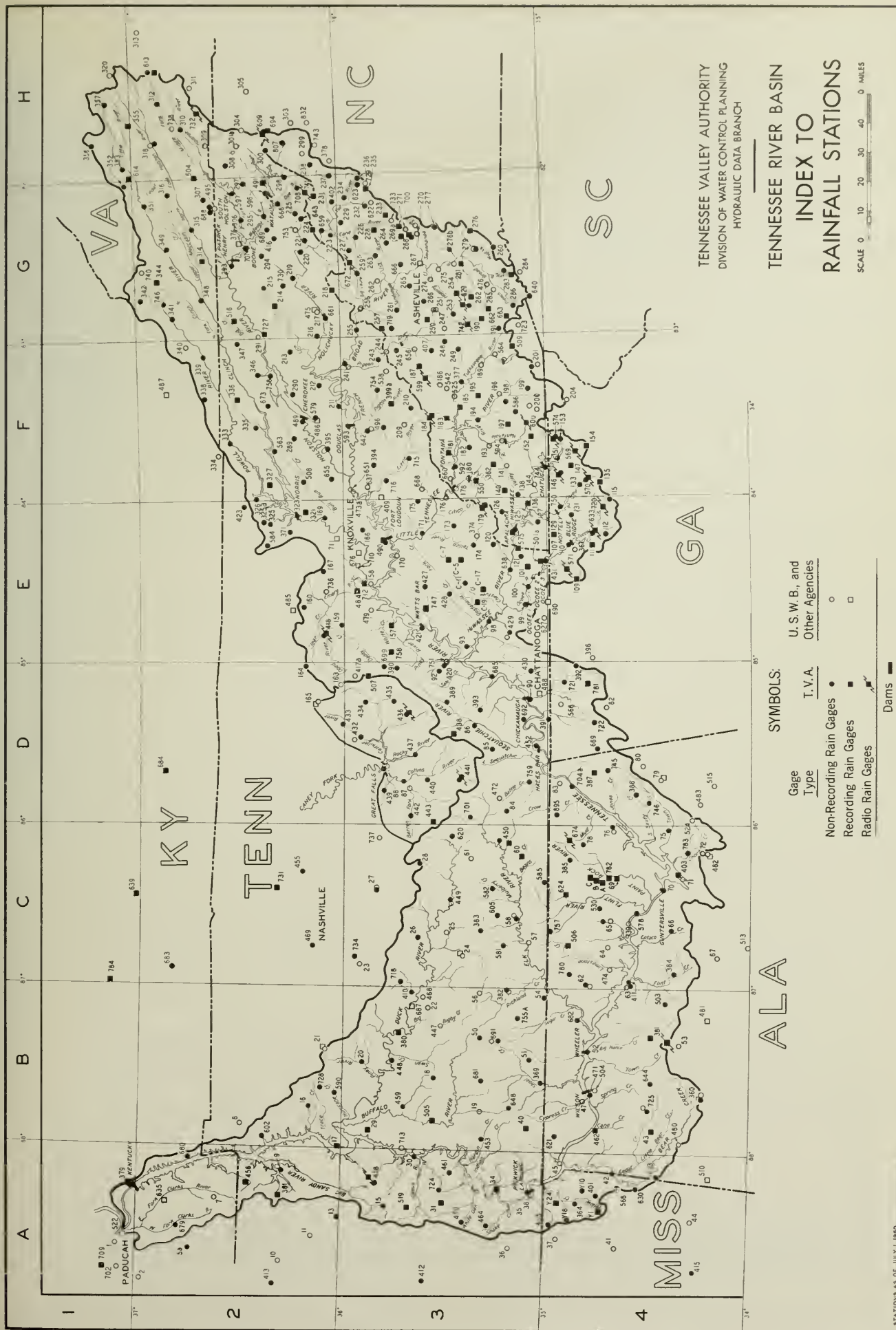
Figures in the "mean or normal" column in the following tabulation are determined as follows: For U. S. Weather Bureau stations the figures are long-term means computed by the Weather Bureau. For TVA and other agency stations with 15 or more years of record through 1959, the figures are normals adjusted to the 25-year period 1935-1959. For TVA and other agency stations with 5 to 15 years of record, the figures are running averages for the period of record. No means are listed for records of less than 5 complete years.



TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN MEAN ANNUAL PRECIPITATION 25-YEAR PERIOD 1935-1959

SCALE 0 10 20 30 40 50 MILES



TENNESSEE VALLEY AUTHORITY

ANNUAL 1959 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Tra. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Y E A R	Depth of Snow (Inches)	
						Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l	Total Nor'l		
TENNISSE RIVER - MOUTH TO JERNSVILLE																				
1	PAUDYBAY	A-1	USNB	333	78	5.42	3.90	1.00	2.68	14.00	4.38	3.70	3.68	3.03	4.12	3.30	4.61	3.36	4.30	3.72
522	PAUDYBAY, REAR R	A-1	USNB	348	19	5.43	3.90	1.00	2.68	14.00	4.38	3.70	3.68	3.03	4.12	3.30	4.61	3.36	4.30	3.72
702	PAUDYBAY, REAR R	A-1	USNB	304	10	5.72	3.90	1.00	2.68	14.00	4.38	3.70	3.68	3.03	4.12	3.30	4.61	3.36	4.30	3.72
709	SHAWNEE STEAM PLANT	A-1	TVA	345	9	5.43	3.98	2.72	3.16	1.06	4.36	1.00	3.67	5.44	4.45	3.10	3.91	6.27	3.16	3.83
2	LOVELACEVILLE	A-2	USNB	479	35	5.59	3.90	1.00	2.68	14.00	4.38	3.70	3.68	3.03	4.12	3.30	4.61	3.36	4.30	3.72
379	KENTUCKY DAM R	A-1	TVA	362	22	5.02	4.73	2.82	4.26	2.19	4.93	3.10	3.97	3.14	3.10	4.63	3.04	3.03	2.60	2.02
379	KENTUCKY DAM	A-1	TVA	362	15	5.44	4.73	2.82	4.26	2.19	4.93	3.10	3.97	3.14	3.10	4.63	3.04	3.03	2.60	2.02
679	BIKESVILLE	A-2	TVA	440	12	4.94	4.73	3.00	4.97	2.57	5.25	1.92	3.88	4.24	4.21	1.46	3.37	3.39	3.13	4.87
519	BRUNSON R	A-2	TVA	364	14	5.53	5.31	4.06	4.18	2.45	5.31	3.43	4.28	3.94	4.52	3.40	3.95	4.87	2.88	3.31
615	BRUNSON R	A-2	USNB	410	15	4.29	5.36	3.29	4.22	2.31	4.90	1.89	3.91	3.15	4.31	1.74	4.02	3.09	4.09	4.59
690	TURKEY CREEK SCHOOL	A-2	TVA	390	12	3.79	5.38	3.60	5.20	2.62	5.41	2.07	4.00	4.67	4.08	2.68	3.32	4.81	3.64	3.19
8	DOVER	B-2	USNB	492	62	6.41	5.89	4.00	3.92	3.44	5.97	2.10	3.84	2.70	3.38	2.32	3.37	3.15	2.84	3.79
402	DOVER FIRE TOWER, REAR	B-2	TVA	410	17	6.08	6.31	4.10	5.16	3.14	4.07	4.69	3.94	2.93	3.01	2.93	4.84	3.44	3.42	3.71
456	BURMAN R	A-2	TVA	435	20	3.88	5.57	4.11	4.31	2.87	5.98	2.52	3.99	3.14	3.93	4.73	3.73	3.65	2.09	2.95
9	PRINCEVILLE	A-2	TVA	400	45	5.24	6.39	6.11	4.31	3.52	5.23	2.76	3.85	3.11	4.13	3.80	3.61	2.89	3.59	2.75
371	PARTS FABRICATION STA., R	A-2	TVA	435	25	4.26	5.44	4.16	5.29	3.08	4.22	3.13	3.31	4.87	3.77	3.21	3.57	2.42	2.97	3.39
11	MAKINGIE	A-2	USNB	475	26	5.32	6.14	5.42	4.29	3.74	5.20	2.88	3.74	2.27	3.89	3.31	3.35	3.65	3.53	3.23
13	BURTON	A-2	USNB	430	30	4.90	6.30	4.70	4.97	3.10	5.49	3.40	4.46	3.64	3.83	2.85	2.99	2.75	4.12	4.00
14	WILDERVILLE	A-3	TVA	480	44	5.08	7.07	4.69	5.05	4.02	5.69	2.00	4.63	3.07	4.34	4.28	4.27	6.58	4.19	4.21
16	ERIN, REAR	B-2	TVA	470	24	5.76	6.79	5.34	4.90	4.90	3.24	5.60	3.38	4.26	4.67	4.12	5.11	4.05	4.46	3.31
DUCK RIVER																				
459	PLEASANTVILLE	B-3	TVA	495	20	6.09	6.81	4.69	5.36	3.45	5.69	3.16	4.86	3.88	4.13	6.46	3.64	4.91	3.70	4.81
505	SIDAR HILL R	B-3	TVA	280	19	6.12	6.50	4.73	5.56	3.98	5.27	2.75	4.50	3.88	3.98	4.90	3.43	6.44	2.95	4.81
18	BOHEMIA	B-3	TVA	975	72	5.73	6.69	4.69	5.50	4.95	5.38	3.20	4.59	4.13	4.23	3.93	3.43	3.87	3.87	3.87
319	HANESBORO	B-2	USNB	710	72	5.79	6.27	4.70	5.74	4.34	6.06	4.85	4.93	4.71	4.04	4.71	4.04	4.60	4.65	3.91
520	MADISON, REAR	B-2	TVA	344	18	5.43	6.37	4.29	5.68	3.70	5.70	4.13	4.34	4.71	4.04	4.71	4.04	4.60	4.65	3.91
728	MADISON, REAR	B-2	TVA	305	7	5.52	6.37	4.39	5.39	2.30	4.69	2.32	5.70	4.80	4.64	4.68	4.12	3.71	2.50	2.66
20	FIRKWOOD	B-3	TVA	250	44	4.51	6.71	4.50	4.89	4.19	5.41	2.85	4.43	5.17	3.87	6.11	3.65	2.99	4.01	3.78
446	CENTREVILLE SUBSTA.	B-3	TVA	480	20	5.33	6.69	4.66	5.60	2.77	6.03	2.18	4.90	4.82	3.71	4.98	4.56	3.18	3.47	1.87
374	HEAD OF R. R	B-3	TVA	750	21	5.48	6.05	3.95	5.61	5.00	5.24	2.64	4.38	3.43	3.53	4.01	3.65	8.24	4.16	4.22
474	MT. FRANKLIN, REAR	B-3	USNB	675	17	4.79	5.92	4.29	5.79	4.02	5.4	2.83	4.47	4.10	3.76	4.22	3.76	4.22	3.76	4.22
22	ASHWOOD	B-3	USNB	725	87	4.77	5.92	4.29	5.79	4.02	5.4	2.83	4.47	4.10	3.76	4.22	3.76	4.22	3.76	4.22
464	COLUMBIA	B-3	USNB	675	17	4.79	5.92	4.29	5.79	4.02	5.4	2.83	4.47	4.10	3.76	4.22	3.76	4.22	3.76	4.22
410	COLUMBIA SUBSTA.	B-3	TVA	680	21	4.77	5.92	4.29	5.79	4.02	5.4	2.83	4.47	4.10	3.76	4.22	3.76	4.22	3.76	4.22
718	NEAPOLIS	C-3	TVA	720	8	4.23	6.15	4.15	5.84	4.95	4.96	3.05	4.85	4.14	4.69	2.78	3.37	6.16	3.84	4.24
734	FRANKLIN, REAR	C-3	TVA	745	6	3.62	5.34	4.31	5.85	5.40	5.34	2.47	4.73	4.14	4.68	1.95	3.50	3.33	2.42	6.55
24	LEWISBORO, REAR	C-3	USNB	695	71	3.88	5.86	4.45	4.96	5.42	5.93	2.36	4.04	3.73	3.76	2.21	3.27	4.97	3.85	7.84
25	FALESTO	C-3	USNB	797	66	4.88	5.76	3.70	5.93	6.96	5.92	4.71	4.37	4.07	3.73	3.33	3.60	4.84	4.61	4.51
26	FALESTO	C-3	USNB	770	70	4.93	5.63	4.25	5.68	5.11	5.47	5.03	4.00	4.44	3.99	5.16	3.56	8.26	4.98	4.31
27	FALESTO	C-3	TVA	705	24	4.45	6.04	4.65	5.69	6.24	5.18	4.24	4.33	4.23	4.16	1.89	3.12	7.01	3.91	6.59
28	FALESTO	C-3	USNB	698	70	3.37	5.67	3.62	5.29	5.16	5.46	4.07	3.86	4.17	3.86	3.29	2.94	7.18	4.25	4.40
474	MADISON SUBSTA.	C-3	USNB	742	20	4.09	6.17	4.26	5.38	4.77	5.38	4.07	3.86	4.17	3.86	3.29	2.94	7.18	4.25	4.40
482	REBELVILLE	C-3	TVA	742	20	4.09	6.17	4.26	5.38	4.77	5.38	4.07	3.86	4.17	3.86	3.29	2.94	7.18	4.25	4.40
498	BELEWVILLE, REAR	C-3	USNB	725	9	3.89	6.97	4.96	5.53	4.88	5.95	4.29	5.05	3.88	4.44	6.22	3.90	3.32	3.36	3.52
24	BEECH GROVE, REAR	C-3	TVA	344	23	3.31	6.44	4.92	6.35	4.75	3.79	3.66	4.11	6.64	4.22	2.46	3.33	3.80	3.32	3.80
624	PARSONS	C-3	TVA	102	10	3.90	6.11	3.37	5.85	3.88	4.74	3.53	4.00	4.02	3.83	3.65	4.17	5.12	4.53	2.72
TENNISSE RIVER - JERNSVILLE & PLEASANTVILLE																				
174	JERNSVILLE STEAM PLANT R	B-2	TVA	385	76	4.69	6.64	4.64	4.80	2.75	5.38	2.02	4.43	2.94	4.05	6.07	3.72	3.50	4.00	2.60
454	CATTIA, RADIO	A-3	TVA	602	11	4.12	6.21	2.08	4.98	3.15	5.99	2.24	4.79	3.19	4.22	3.90	3.82	3.11	3.37	3.48
454	CATTIA, RADIO	A-3	TVA	602	11	4.12	6.21	2.08	4.98	3.15	5.99	2.24	4.79	3.19	4.22	3.90	3.82	3.11	3.37	3.48
27	CIBA LADING R	B-3	TVA	425	24	5.20	6.60	4.45	4.80	3.44	5.39	2.38	4.23	2.67	3.83	4.60	3.95	3.79	3.76	4.67
713	POPE	B-3	USNB	195	9	5.74	6.99	3.44	5.90	3.96	4.73	3.43	5.31	3.78	4.19	5.70	3.97	3.40	3.50	7.81
30	PRINCEVILLE	A-3	TVA	386	64	6.17	7.19	5.15	4.95	3.66	5.33	1.41	4.61	4.11	4.05	5.73	3.97	2.93	3.68	3.82
724	SCOTT'S HILL	A-3	TVA	490	7	6.19	6.33	5.10	5.97	3.95	4.27	4.06	5.92	4.41	5.31	4.42	4.04	4.96	3.34	4.39
519	OK GROVE R	A-3	TVA	510	10	5.46	6.59	5.05	5.13	2.91	5.99	2.87	4.74	2.13	4.30	3.48	3.43	5.45	3.27	5.19
461	DUNBAR, TENNESSEE	A-3	TVA	535	20	6.57	6.97	3.80	5.51	3.94	5.64	3.58	4.97	4.74	4.16	5.17	3.89	4.84	3.14	4.80
49																				

ANNEX 1

ANNUAL 1959 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Trs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Y E A R	Total Precip. (Inches)														
TENNESSEE RIVER - JENNINGSVILLE TO FLORENCE (CONT'D.)																																	
463	ENTVILLE	A-3	TVA	455	20	4.60	7.22	3.47	5.40	3.70	5.00	4.04	4.87	3.78	4.42	4.61	3.00	5.99	3.98	4.70	3.10	1.08	2.87	6.21	2.35	4.53	4.45	5.19	4.13	5.20	50.39	7	
34	SAVANNAH	A-3	USRB	440	77	6.83	4.71	3.37	5.91	3.02	4.95	7.21	3.91	1.48	3.22	0.98	2.60	4.26	4.28	5.75	5.04	3.91	3.12	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
34A	SAVANNAH R	A-3	TVA	450	15	4.09	6.50	4.16	5.48	3.58	5.21	2.97	4.73	4.20	3.98	7.24	4.09	4.20	3.79	2.21	3.22	0.98	2.60	5.99	2.60	5.99	2.60	5.99	2.60	5.99	2.60	5.99	2.60
464	LEAKWOOD, NEAR	A-3	TVA	540	20	6.00	6.13	4.60	5.72	4.20	5.46	4.43	4.33	6.25	3.84	4.30	3.43	4.25	3.32	4.25	3.32	4.25	3.32	4.25	3.32	4.25	3.32	4.25	3.32	4.25	3.32	4.25	3.32
35	SELBOR	A-3	USRB	470	49	4.90	6.70	5.27	5.74	3.60	5.45	4.77	4.06	3.33	3.63	4.26	2.99	2.99	4.44	2.26	3.44	2.09	2.99	6.65	2.99	6.65	2.99	6.65	2.99	6.65	2.99	6.65	2.99
36	SELBOR	A-3	USRB	470	36	5.37	6.37	4.88	5.67	3.76	5.45	3.97	4.80	5.28	3.80	5.29	4.17	2.74	3.37	2.26	3.44	2.09	2.99	6.65	2.99	6.65	2.99	6.65	2.99	6.65	2.99	6.65	2.99
JAMES CHAPEL SCHOOL R																																	
465	JAMES CHAPEL SCHOOL R	A-4	TVA	600	20	5.31	7.07	3.86	6.38	4.04	5.36	4.82	5.06	4.42	4.05	5.65	3.73	3.10	3.96	2.40	2.96	1.75	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	
466	ACTION NEAR	A-4	TVA	510	20	5.31	7.07	3.86	6.38	4.04	5.36	4.82	5.06	4.42	4.05	5.65	3.73	3.10	3.96	2.40	2.96	1.75	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	
467	CORINNE	A-4	USRB	470	74	4.63	6.34	3.74	5.34	3.75	5.71	5.52	4.68	3.58	4.09	4.04	3.62	2.97	4.04	3.36	3.43	1.72	3.05	4.61	2.74	3.73	4.61	2.74	3.73	4.61	2.74	3.73	
TENNESSEE RIVER - FLORENCE TO FLORENCE																																	
38	PICKWICK LANDING DAM	A-3	TVA	479	25	5.28	6.42	4.34	5.56	3.23	5.12	3.98	4.63	5.68	3.75	3.80	3.75	1.51	3.60	5.94	3.09	2.75	2.86	4.54	2.84	4.18	4.63	7.08	4.66	52.31	50.91	7	
39	GLENS	A-4	TVA	600	22	5.28	6.42	4.34	5.56	3.23	5.12	3.98	4.63	5.68	3.75	3.80	3.75	1.51	3.60	5.94	3.09	2.75	2.86	4.54	2.84	4.18	4.63	7.08	4.66	52.31	50.91	7	
40	BUNNELLVILLE SUBSTA.	A-4	TVA	452	22	4.74	6.19	3.34	5.91	2.89	5.52	4.44	5.07	3.88	4.08	3.43	3.37	2.30	3.78	1.74	3.72	3.71	3.17	2.89	2.15	2.92	5.09	7.28	5.05	42.07	53.10	0.0	
41	MIWAY	A-4	TVA	600	21	5.28	6.42	4.34	5.56	3.23	5.12	3.98	4.63	5.68	3.75	3.80	3.75	1.51	3.60	5.94	3.09	2.75	2.86	4.54	2.84	4.18	4.63	7.08	4.66	52.31	50.91	0.0	
42	CAIRO, NEAR R	A-4	TVA	530	21	5.28	6.42	4.34	5.56	3.23	5.12	3.98	4.63	5.68	3.75	3.80	3.75	1.51	3.60	5.94	3.09	2.75	2.86	4.54	2.84	4.18	4.63	7.08	4.66	52.31	50.91	0.0	
43	BEAVER	A-4	USRB	504	65	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
44	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
45	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
46	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
47	RUSSELLVILLE	A-4	USRB	755	7	4.22	5.33	4.21	6.08	4.01	4.22	5.90	6.60	5.68	3.96	2.43	3.09	2.87	3.39	2.64	2.94	3.05	3.17	3.29	2.13	3.02	4.11	8.08	5.76	51.20	51.08	0.2	
48	RUSSELLVILLE	A-4	USRB	755	7	4.22	5.33	4.21	6.08	4.01	4.22	5.90	6.60	5.68	3.96	2.43	3.09	2.87	3.39	2.64	2.94	3.05	3.17	3.29	2.13	3.02	4.11	8.08	5.76	51.20	51.08	0.2	
49	RUSSELLVILLE	A-4	USRB	755	7	4.22	5.33	4.21	6.08	4.01	4.22	5.90	6.60	5.68	3.96	2.43	3.09	2.87	3.39	2.64	2.94	3.05	3.17	3.29	2.13	3.02	4.11	8.08	5.76	51.20	51.08	0.2	
50	BEAVER	A-4	USRB	504	65	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
51	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
52	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
53	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
54	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
55	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
56	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
57	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
58	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
59	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
60	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
61	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
62	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
63	BEAVER	A-4	USRB	470	25	4.46	6.17	3.68	5.78	3.29	6.33	4.24	4.76	4.53	4.14	5.72	3.48	1.89	4.24	4.21	3.29	3.05	3.01	3.26	2.84	2.77	4.69	6.99	5.61	44.84	54.42	7	
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TENNESSEE VALLEY AUTHORITY

ANNUAL 1959 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Tr. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Y x R	Depth of Snow (inches)															
TENNESSEE RIVER - FLORENCE TO DUNDASVILLE (CONT'D.)																																			
576	FAIRLEY	C-4	TVA	572	18	5.67	5.62	3.26	5.93	4.06	5.65	4.87	4.55	6.42	3.84	3.55	3.23	2.03	3.50	2.06	2.70	3.71	3.80	4.07	2.05	3.05	4.35	3.87	4.65	46.62	49.87	T	0.0		
577	MINISTERS AERIAL	C-4	USWB	573	15	4.28	3.53	3.25	3.75	3.25	3.15	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24
578	FAIRLEY SAND NO. 6	C-4	TVA	1600	19	4.75	6.70	4.36	6.16	3.72	6.11	6.01	5.01	6.30	4.04	4.73	4.42	4.41	5.09	4.01	3.18	4.29	4.15	5.08	2.64	3.52	4.96	5.95	5.90	57.21	58.16	0.3	0.3		
579	TONEY R	C-4	TVA	825	19	3.78	6.40	2.69	5.62	3.18	5.12	4.26	4.25	5.88	3.44	2.81	3.02	3.13	4.55	5.15	2.53	3.56	3.31	3.11	1.88	3.43	4.80	8.48	5.07	53.04	49.39	---	---		
580	WHEELER	C-4	TVA	875	2	4.49	4.00	3.68	3.84	3.84	3.84	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26	4.26
581	NEW MARKET R	C-4	TVA	760	17	5.68	5.66	3.52	5.72	4.95	5.51	4.21	4.57	3.43	3.96	2.47	3.93	2.39	4.91	4.23	2.77	1.95	3.78	3.60	2.03	2.83	4.77	7.91	5.10	47.00	51.16	---	---		
582	ELK	C-4	TVA	920	18	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
583	PAINT ROCK R	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
584	GATE R	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
585	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
586	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
587	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
588	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
589	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
590	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
591	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
592	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
593	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
594	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
595	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
596	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
597	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
598	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
599	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
600	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
601	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
602	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
603	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
604	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
605	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
606	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
607	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
608	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39	4.58	8.24	5.37	44.78	56.30	T	---		
609	ROCK	C-4	TVA	690	21	5.08	5.06	3.58	5.73	4.21	5.09	4.91	4.48	3.02	3.69	4.74	4.04	5.05	4.13	7.23	3.94	1.30	3.47	4.03	2.22	3.39									

ANNALS OF THE

ANNUAL 1959 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Over	Elev.	Yrs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Y. E. A. P.	Depth of Precip.
TENNESSEE RIVER - CHICKAMAUGA TO CHICKAMAUGA (CONT'D)																				
669	BISSING FAN	D-3	TVA	820	13	6.42	5.97	3.06	5.23	4.59	3.24	2.95	4.93	5.27	2.85	4.36	3.97	4.34	2.62	4.83
391	LOKOUT MOUNTAIN	D-3	TVA	1970	29	6.79	6.08	3.34	4.62	5.47	4.16	3.16	4.31	6.03	3.77	3.33	3.52	5.16	3.13	4.05
488	CHATTANOOGA AIRPORT R	D-3	USRB	671	81	6.11	5.23	2.90	5.11	3.83	4.64	2.00	4.21	3.58	3.70	2.63	2.69	5.63	4.49	4.03
441	ALBANY	D-3	TVA	1920	20	4.43	6.58	3.83	6.32	4.49	5.94	4.20	4.27	1.77	4.33	7.92	4.41	5.41	3.69	4.51
444	ALBANY, RADIO	D-3	TVA	1920	8	3.8	5.74	3.3	4.0	2.7	2.5	3.2	4.1	4.51	3.69	3.6	3.6	7.1	5.96	53.49
444	ALBANY, RADIO	D-3	USRB	1015	77	4.04	5.74	4.32	5.65	4.52	5.62	3.24	3.77	4.57	3.83	2.93	4.24	6.15	3.50	5.04
579	MCNINTOSH	D-3	TVA	1000	18	3.96	6.27	4.57	5.04	4.88	3.08	3.77	4.71	4.06	3.87	2.63	1.94	3.97	3.90	59.53
442	TRONDALE	D-3	TVA	980	20	3.64	5.97	4.38	5.88	5.27	5.12	3.36	3.83	4.17	3.62	4.58	3.91	6.73	4.01	4.71
443	SUMMITVILLE R	D-3	TVA	1120	20	3.79	6.17	4.39	6.02	3.96	5.31	3.04	3.93	3.59	3.42	3.14	2.80	4.19	4.10	6.57
437	ROCKY RIVER	D-3	TVA	900	20	4.14	5.70	4.16	5.63	4.39	5.17	4.15	4.13	3.87	6.18	4.13	2.38	4.48	3.96	7.15
432	SPARTA SUBSTA.	D-3	TVA	920	43	4.87	6.22	3.93	5.97	5.80	5.42	3.81	4.41	3.94	4.17	4.00	2.28	5.37	4.10	7.20
432A	SPARTA, NEAR	D-3	USRB	900	20	3.85	6.26	3.88	5.60	5.14	5.15	3.72	4.13	3.75	3.95	4.03	2.21	4.00	4.72	52.35
433	PAVING	D-3	TVA	920	20	4.29	6.31	3.82	5.97	5.26	5.36	4.17	4.18	4.06	3.74	3.85	3.74	4.29	4.27	6.80
433	MONTGOMERY	D-3	USRB	1920	20	4.22	7.03	3.64	6.07	5.82	5.38	4.54	4.89	4.88	4.88	4.88	4.88	4.88	4.88	4.88
434	EASTLAND	D-3	TVA	1750	42	4.36	6.21	4.15	5.89	5.84	5.50	3.93	4.67	5.37	3.86	4.76	4.60	7.94	4.25	6.80
435	BERNARD	D-3	TVA	1895	20	2.46	5.45	3.09	5.35	3.75	4.81	4.00	3.91	6.89	4.49	7.17	3.63	3.69	3.03	3.24
435A	FALLS CREEK PARK, RADIO	D-3	TVA	1900	12	4.1	5.38	4.16	5.61	4.8	4.8	2.87	4.41	7.17	4.09	3.11	2.32	3.11	2.32	4.3
TENNESSEE RIVER - CHICKAMAUGA TO WATTS BAR																				
430	CHICKAMAUGA DAM	D-3	TVA	700	28	6.13	6.20	3.68	5.70	4.26	5.58	1.20	3.93	1.83	4.65	3.97	3.95	5.13	2.92	4.13
430	COLLEMAN	D-3	TVA	765	20	5.99	5.73	3.25	5.13	4.11	5.48	2.01	3.83	3.06	3.64	4.02	3.92	3.75	4.31	4.26
393	LEWIS CHAPEL	D-3	TVA	1950	21	6.71	6.43	3.74	6.13	5.76	6.30	3.35	4.34	6.92	4.82	2.38	3.91	3.09	2.68	4.64
695	FRANKFORD SCHOOL	D-3	TVA	725	12	6.36	6.88	3.39	5.78	4.49	6.03	4.31	4.26	6.24	5.21	2.03	3.92	1.93	4.16	4.23
92	MORGAN SPRINGS	D-3	TVA	1900	25	6.37	6.64	4.03	6.04	5.92	6.05	3.07	4.50	6.25	5.94	5.52	4.61	3.20	3.93	4.81
751	DATON	D-3	USRB	864	3	5.90	5.79	3.34	5.68	4.26	5.13	2.63	4.31	6.31	2.72	3.98	2.63	4.89	2.63	4.89
427	BEIDLES STORE	D-3	TVA	1020	20	4.16	5.73	4.55	5.68	4.59	5.57	2.34	4.22	4.13	3.75	4.16	3.94	2.63	3.50	4.07
TENNESSEE RIVER - WATTS BAR TO KNOXVILLE																				
421	WATTS BAR DAM	E-3	TVA	820	20	6.24	5.84	4.34	5.61	5.14	5.62	4.72	4.60	4.72	3.80	4.16	3.90	2.60	4.97	6.97
756	JEFF R	E-3	TVA	1880	2	6.73	4.50	4.17	5.67	4.33	5.25	3.93	4.58	3.55	3.62	2.27	3.28	4.96	5.01	5.80
157	RODDY R	E-3	TVA	765	24	7.49	5.87	4.17	5.67	4.33	5.25	3.93	4.58	3.55	3.62	2.27	3.28	4.96	5.01	5.80
479	ROCKWOOD	E-3	PRIVATE	910	11	6.82	6.06	4.32	5.67	4.69	5.50	4.22	4.54	3.73	4.08	2.89	3.61	3.76	5.44	3.77
480	PORT LOUDOUN DAM R	E-3	TVA	880	19	4.18	5.79	4.06	5.59	4.34	5.08	2.89	3.61	3.73	4.08	2.89	3.61	3.76	5.44	3.77
490A	PORT LOUDOUN DAM	E-3	TVA	880	19	4.18	5.79	4.06	5.59	4.34	5.08	2.89	3.61	3.73	4.08	2.89	3.61	3.76	5.44	3.77
637	UT. 8, COTTAGE STA.	E-3	USRB	984	19	4.33	5.79	4.06	5.59	4.34	5.08	2.89	3.61	3.73	4.08	2.89	3.61	3.76	5.44	3.77
499	ROCKVILLE AIRPORT R	E-3	TVA	984	19	4.33	5.79	4.06	5.59	4.34	5.08	2.89	3.61	3.73	4.08	2.89	3.61	3.76	5.44	3.77
394	PROVIDENCE	E-3	TVA	1100	21	4.18	5.07	4.47	5.17	4.01	4.53	3.67	4.03	4.43	3.67	2.45	3.54	5.29	4.47	4.98
715	WILKINSON, NEAR	E-3	TVA	1047	9	4.45	5.32	4.34	5.56	4.56	4.85	4.70	4.50	2.63	4.48	3.49	4.23	6.25	4.01	3.34
473A	UNIV. TENN. FARM LINDSEY PILOT	F-3	UT	890	40	4.43	5.19	4.03	5.69	4.72	5.08	4.11	4.09	5.09	3.69	1.49	3.83	1.49	3.83	1.49
651	UNIV. TENN. GEOLOGY BLDG.	F-3	UT	974	89	3.42	5.21	3.49	5.93	4.33	4.84	3.76	3.99	3.81	3.69	1.47	3.62	5.05	2.75	3.27
655	RITVA	F-2	TVA	1050	15	4.68	6.03	4.40	5.40	4.81	5.07	4.74	3.96	4.60	4.10	2.88	3.61	3.77	4.22	2.14
CLING RIVER BELOW MORRIS DAM																				
155	KINGSTON	E-3	USRB	760	68	6.33	5.35	4.16	5.28	4.01	5.39	4.26	3.91	4.34	3.64	3.04	3.53	4.24	4.46	8.04
424	KINGSTON TITAN PLANT R	E-3	TVA	760	38	6.35	5.18	3.88	4.92	3.62	4.72	3.77	3.99	4.17	2.86	3.38	1.95	4.03	4.29	4.91
157	PETROS	E-2	TVA	1400	25	7.44	6.74	4.92	6.09	4.43	5.86	4.43	4.71	3.97	4.46	3.87	4.46	3.82	5.31	6.09
756	WATERBURG, NEAR	E-2	TENN	1315	6	5.21	5.48	3.94	5.15	3.29	4.32	3.70	4.94	4.98	3.72	4.61	4.02	4.12	4.61	4.02
160	PILOT MOUNTAIN	E-2	TVA	1200	24	4.06	5.57	5.15	5.18	5.10	4.91	3.21	3.99	3.87	4.30	1.43	3.70	9.63	4.75	7.59

(#) Interpolated or partly interpolated. (R) Recorder at present.

TENNESSEE VALLEY AUTHORITY

ANNUAL 1959 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	MONTHS												Total	Y. E. R.	Depth of Snow (inches)
						JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			
CLARK RIVER BELOW MURKIN DAM (CONT'D)																				
465	CLARK RIVER	8-2	UNB	1180	17	---	---	---	---	---	---	---	---	---	---	---	---			
164	CLARK RIVER	8-2	UNB	1180	24	---	---	---	---	---	---	---	---	---	---	---	---			
179	CLARK RIVER	8-2	UNB	1170	25	---	---	---	---	---	---	---	---	---	---	---	---			
163	CHERRYVILLE, NEAR	0-2	UNB	1070	46	---	---	---	---	---	---	---	---	---	---	---	---			
001	CHERRYVILLE, NEAR	0-3	UNB	1190	10	---	---	---	---	---	---	---	---	---	---	---	---			
699	CHERRYVILLE, NEAR	0-3	UNB	1190	10	---	---	---	---	---	---	---	---	---	---	---	---			
818	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---	---	---			
819	CHERRYVILLE, NEAR	0-2	UNB	1160	20	---	---	---	---	---	---	---	---	---	---					

HYDRAULIC DATA BRANCH

[illegible]

HYDRAULIC DATA BRANCH

[illegible]

(R) Recorder at present.

interpolated or partly interpolated.

ANNUAL 1959 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R	Depth of Snow (inches)	
						Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of	Total	No. of			Total
FENCE BROAD RIVER (CONT'D.)																																
243	BARTFORD	F-3	TVA	1260	25	3.65	4.29	3.98	4.23	3.95	4.31	6.10	3.83	5.59	4.03	5.26	4.55	12.85	6.62	5.23	4.68	4.82	2.72	5.39	2.51	#6.69	3.00	4.38	3.32	#6.59	48.61	16.0
244	WATFORD	F-3	USNB	1440	29	3.86	4.86	3.66	4.20	3.57	4.45	5.69	3.97	4.45	3.86	3.71	4.07	4.71	9.43	6.41	3.46	4.83	5.21	3.96	3.23	2.74	4.14	3.32	53.32	52.93	24.1	
245	MT. STEARLING	F-3	TVA	1440	29	3.86	4.86	3.66	4.20	3.57	4.45	5.69	3.97	4.45	3.86	3.71	4.07	4.71	9.43	6.41	3.46	4.83	5.21	3.96	3.23	2.74	4.14	3.32	53.32	52.93	24.1	
656	CATALDOORE	F-3	USNB	2620	15	3.90	3.32	3.09	4.98	5.11	3.78	4.12	3.99	5.11	3.78	3.00	3.96	6.72	5.87	5.30	4.25	3.81	3.18	3.48	2.55	3.81	3.89	3.75	4.18	21.02	9.5	
247	CATALDOORE RANCH	F-3	TVA	4800	21	4.66	4.44	4.85	6.31	4.32	7.09	7.93	4.74	6.62	4.56	4.11	5.07	6.94	5.21	4.98	5.27	3.97	4.96	2.68	5.44	2.81	3.15	4.05	66.95	62.92	24.5	
248	KATYVILLE	F-3	USNB	2875	66	3.94	4.73	#2.91	4.16	4.58	5.24	5.16	3.11	5.74	3.33	2.14	3.42	4.93	5.30	3.79	4.24	3.90	2.37	4.96	2.68	5.44	2.81	3.15	4.05	66.95	62.92	24.5
249	EAGLEBURN MOUNTAIN	F-3	TVA	3280	25	3.40	6.15	1.35	6.05	3.00	6.25	6.65	4.60	4.27	4.62	2.66	2.97	5.63	4.95	3.34	3.94	6.43	2.55	5.28	2.74	3.54	#3.35	4.92	#56.76	56.18	12.8	
250	CHAMBERS MOUNTAIN	F-3	TVA	4300	25	2.63	3.24	1.38	2.93	3.24	3.75	5.71	3.65	7.81	4.69	2.86	2.97	5.63	4.95	3.34	3.94	6.43	2.55	5.28	2.74	3.54	#3.35	4.92	#56.76	56.18	12.8	
251A	CANTON	O-3	CHPECO	2700	3	3.33				3.76		5.14			5.63	2.34		6.24				6.84		5.41			1.60		46.84	37.59	---	
251	CANTON	O-3	CHPECO	2700	3	3.33				3.76		5.14			5.63	2.34		6.24				6.84		5.41			1.60		46.84	37.59	---	
252	DIK CREEK	O-3	CHPECO	2600	29	3.64	3.52	2.00	3.45	3.38	4.19	4.91	3.03	4.09	2.92	1.79	3.23	4.68	4.98	3.78	4.57	5.13	2.36	4.46	2.51	1.60	2.34	2.00	3.02	44.46	40.32	---
253	DIK CREEK	O-3	TVA	3560	25	4.12	4.70	2.21	4.40	5.25	5.18	4.40	5.25	7.08	3.34	2.54	3.79	6.84	6.50	5.41	4.90	8.59	3.84	5.41	2.90	1.86	3.36	3.48	3.86	47.77	49.05	12.7
254	MT. FISKE	O-3	TVA	3660	25	4.12	4.70	2.21	4.40	5.25	5.18	4.40	5.25	7.08	3.34	2.54	3.79	6.84	6.50	5.41	4.90	8.59	3.84	5.41	2.90	1.86	3.36	3.48	3.86	47.77	49.05	12.7
659	810 EAST FORK RIVER	O-3	TVA	3100	17	6.50	6.65	3.08	6.49	7.11	11.3	6.0	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
660	810 EAST FORK RIVER	O-3	TVA	3100	17	6.50	6.65	3.08	6.49	7.11	11.3	6.0	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
742	SUNSET, RADIO	O-3	CHPECO	3100	1	6.4	3.1			6.2		6.4			6.2		6.4				6.2		6.4			6.2		6.4		6.2		6.4
255	WOLF CREEK	O-3	TVA	1200	25	3.30	3.78	#3.14	3.02	2.97	4.42	#4.88	3.88	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03
256	WOLF CREEK	O-3	USNB	1480	25	2.65	3.48	3.15	3.47	2.86	4.46	6.39	3.43	2.77	3.68	4.31	4.36	7.29	5.34	4.16	4.39	4.84	2.70	4.92	2.42	3.21	2.58	3.87	2.98	50.00	42.89	5.0
257	MAI PATCH MOUNTAIN	R	O-3	TVA	1200	25	3.30	3.78	#3.14	3.02	2.97	4.42	#4.88	3.88	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78
729	MAI PATCH MOUNTAIN	R	O-3	TVA	1200	25	3.30	3.78	#3.14	3.02	2.97	4.42	#4.88	3.88	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78	3.03	3.78
261	DOUGLASS GAP	O-3	TVA	3490	25	4.68	4.18	2.44	3.98	4.08	4.62	5.48	4.62	3.98	4.08	4.62	5.48	4.62	3.98	4.08	4.62	5.48	4.62	3.98	4.08	4.62	5.48	4.62	3.98	4.08	4.62	5.48
269	CODY STORE	O-3	TVA	2450	25	3.32	4.05	3.40	3.79	3.09	4.46	5.61	3.48	4.39	3.55	4.94	4.33	6.22	5.62	3.73	4.17	3.41	3.25	5.47	2.84	3.24	2.84	3.71	3.22	50.73	45.21	---
672	BANS GAP, RADIO	O-3	TVA	3760	12	4.4	3.7			3.8		6.5			3.5						4.8		8.1									
262	MARSHALL	O-3	USNB	1950	61	3.15	3.31	2.68	3.04	3.24	3.94	4.73	2.91	3.36	3.01	3.13	3.65	3.31	4.68	3.68	3.69	3.48	3.40	2.13	3.40	2.13	2.46	3.13	2.74	37.34	37.61	5.3
263	IVT	O-3	TVA	2150	25	3.01	3.45	2.60	3.55	3.14	4.09	5.22	3.83	3.23	4.11	1.74	3.53	3.61	2.54	3.90	2.22	1.84	2.42	2.81	2.42	2.81	2.42	2.81	2.42	38.64	38.78	5.0
264	BARNSVILLE	O-3	TVA	2250	25	#2.73	3.39	1.83	3.50	2.79	4.01	4.38	3.00	4.59	2.89	3.55	4.03	5.38	4.62	6.80	3.88	6.06	2.95	4.90	2.50	1.77	2.50	2.82	2.69	#47.62	39.85	6.5
265	LEICESTER	O-3	TVA	2170	25	2.77	3.24	1.75	3.04	3.85	3.94	4.62	3.41	3.32	3.01	2.43	3.70	4.48	4.87	4.41	4.14	2.96	2.64	4.44	2.34	1.75	2.96	2.25	2.74	35.02	39.35	2.8
266	BEYERLE DAM	O-3	TVA	2940	12	2.86	2.98	1.51	2.85	3.37	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70
267	ASHVILLE	O-3	USNB	2274	84	2.56	2.98	1.31	2.51	2.85	3.31	4.20	2.56	3.31	2.51	2.85	3.31	4.20	2.56	3.31	2.51	2.85	3.31	4.20	2.56	3.31	2.51	2.85	3.31	4.20	2.56	3.31
268A	BETHUNE DAM	O-3	TVA	2940	12	2.86	2.98	1.51	2.85	3.37	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70
269	BETHUNE DAM	O-3	TVA	2940	12	2.86	2.98	1.51	2.85	3.37	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70	2.86	7.33	3.57	4.70
270	SHANNADA, NEAR	O-3	USNB	2270	9	3.44	3.94	2.80	4.44	4.07	5.60	5.00	3.40	5.60	4.61	2.86	4.13	4.45	4.45	4.63	6.69	4.42	5.94	3.02	1.50	2.65	4.41	4.04	4.41	64.17	52.59	---
271	WOLF CREEK NO. 2	O-3	USNB	2620	17	3.75	4.03	3.13	4.05	3.75	4.05	5.14	3.65	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65
271	WOLF CREEK NO. 2	O-3	USNB	2620	17	3.75	4.03	3.13	4.05	3.75	4.05	5.14	3.65	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65	3.78	3.65
700	BLACK MOUNTAIN	O-3	USNB	2400	10	3.21	3.44	2.62	3.88	4.02	5.00	5.34	4.40	6.76	3.38	3.23	3.94	4.75	3.55	4.75	3.70	12.56	2.02	6.99	2.86	1.53	2.87	3.06	3.73	58.36	45.17	1.0
274	ENKA	O-3	USNB	2075	29	3.88	3.25	1.63	2.96	3.78	4.05	5.28	2.88	3.36	3.06	2.92	3.36	4.61	4.95	3.40	4.10	7.24	2.41	5.42	2.99	1.82	2.44	2.31	2.82	48.35	38.81	3.0
275	BLACK MOUNTAIN	O-3	USNB	2400	10	3.21	3.44	2.62	3.88	4.02	5.00	5.34	4.40	6.76	3.38	3.23	3.94	4.75	3.55	4.75	3.70	12.56	2.02	6.99	2.86	1.53	2.87	3.06	3.73	58.36	45.17	1.0
276	AAS AIRPORT	O-3	TVA	2090	25	3.29	4.03	1.93	3.83	4.19	4.65	5.35	3.53	5.38	3.50	1.36	3.54	6.96	5.59	4.86	4.51	11.38	3.43	6.48	2.92	1.49	2.91	2.66	3.56	59.33	46.30	2.8
277	CARLEN CREEK	O-3	TVA	2810	24	3.45	4.77	1.95	4.56	5.11	5.62	5.80	4.75	9.36	4.07	1.43	5.03	4.52	6.03	3.41	5.84	9.99	3.43	8.42	3.45	1.17	3.88	3.53	4.47	65.13	54.86	1.0
278	SIXE RIVER POST OFFICE	R	O-3	TVA	2270	25	3.10	4.50	2.19	4.38	5.21	5.16	5.27	4.12	9.14	4.07	2.69	4.33	4.34	6.29	5.91	5.84	3.01	4.10	3.74							
279	HENDERSONVILLE	O-3	USNB	2153	63	4.21	4.92	#2.56	4.36	5.62	5.64	6.22	4.12	7.38	4.18	1.89	5.02	3.83	6.43	5.84	5.67	9.37	3.71	9.69	3.99	1.76	3.71	3.56	4.92	661.62	56.27	1.5
279A	HENDERSONVILLE	O-3	TVA	2185	12	4.41	4.92	3.01	4.36	6.22	5.64	6.88	4.12	7.38	4.18	1.89	5.02	3.84	6.43	5.67	5.67	10.55	3.71	11.15	3.99	2.18	3.71	4.08	4.92	66.76	56.27	1.7
280	GREEN MOUNTAIN	O-3	TVA	3000	25	4.95	6.31	2.92	6.01																							





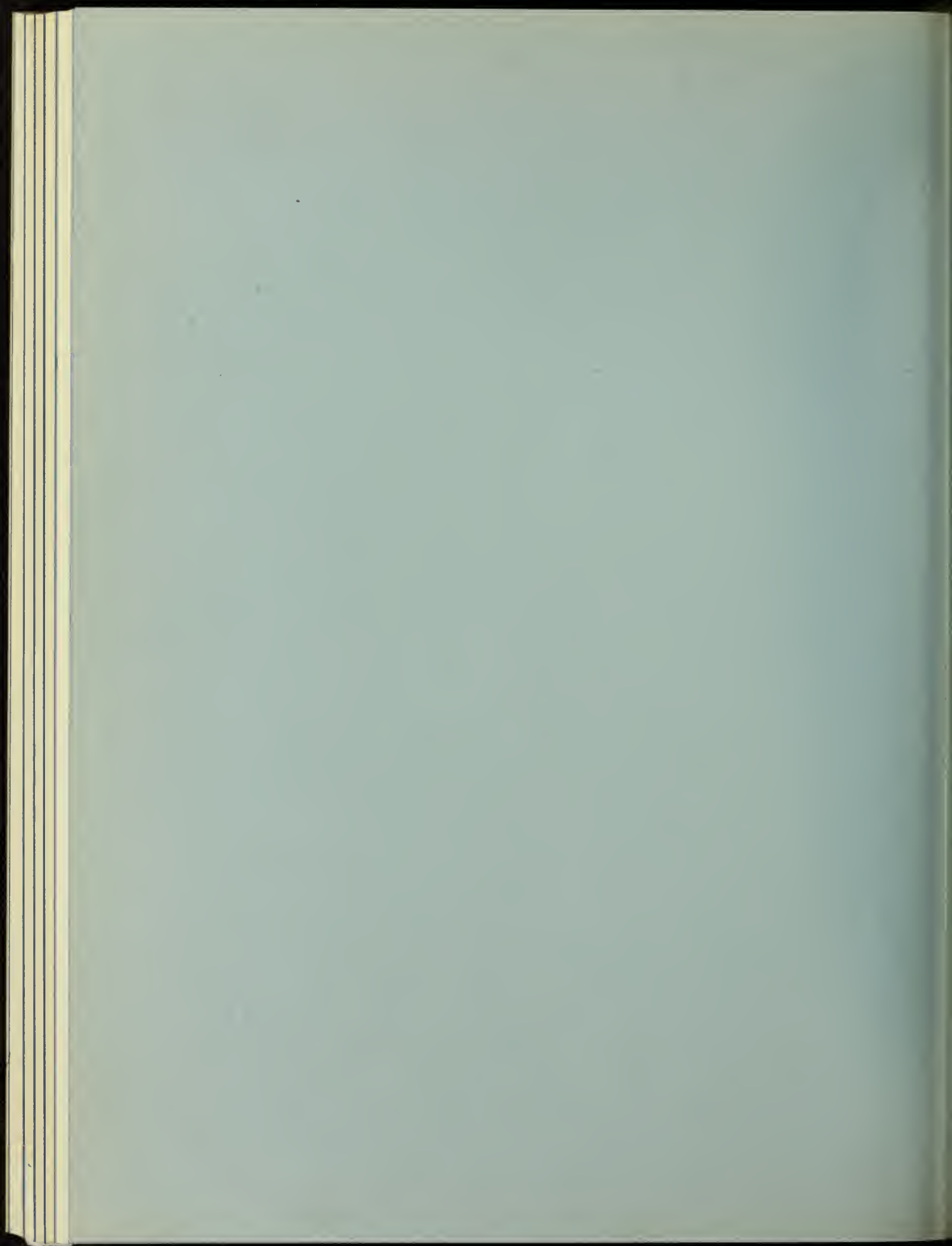
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MEAN PRECIPITATION IN TENNESSEE RIVER BASIN

TENNESSEE VALLEY AUTHORITY

DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

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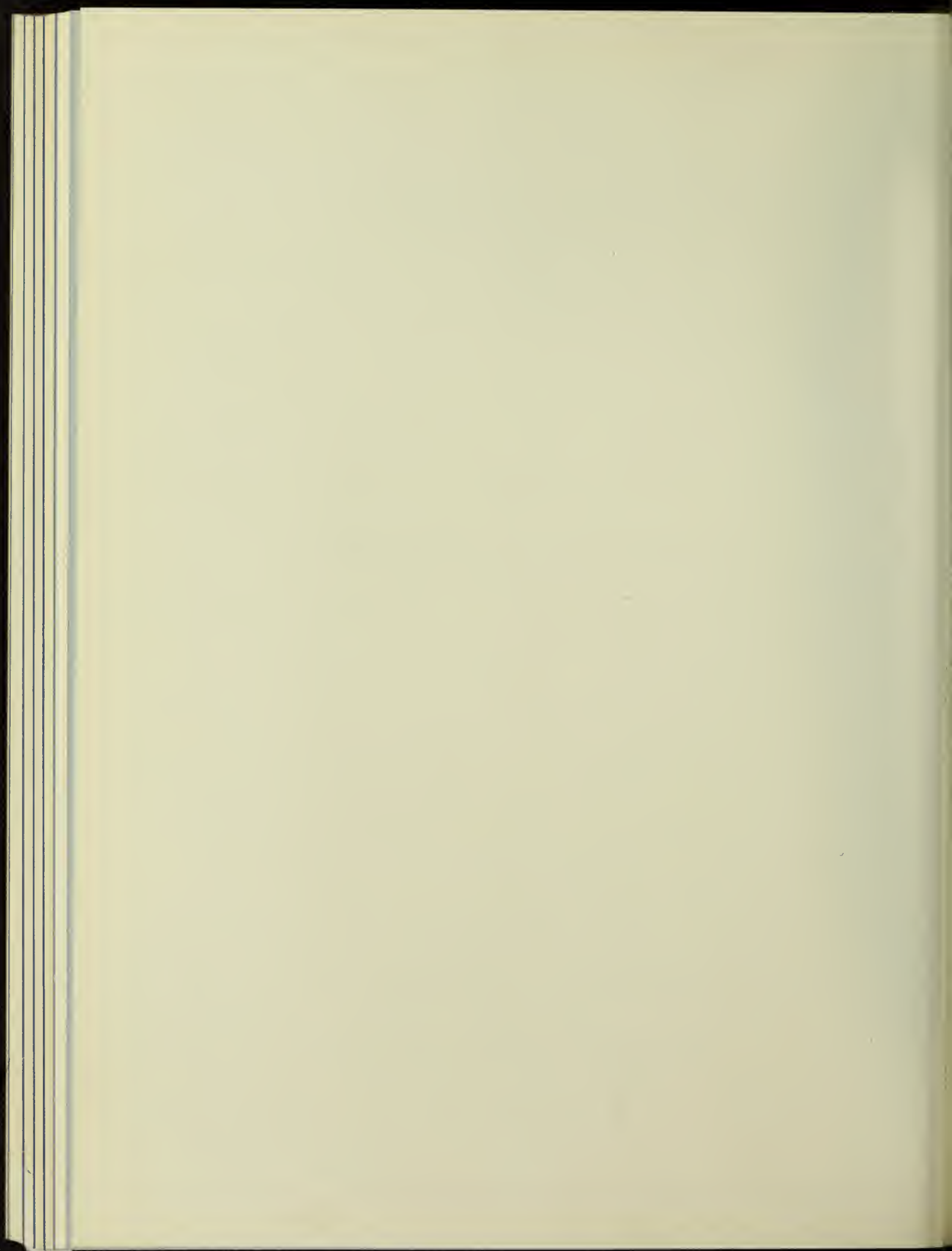


TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

MEAN PRECIPITATION
IN
TENNESSEE RIVER BASIN

REPORT NO. O-243A

Supplement
to
PRECIPITATION IN TENNESSEE RIVER BASIN
ANNUAL 1959



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PLATES

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2	Map of Tennessee River Basin Mean Precipitation for Flood Season, December-March, for 25-Year Period 1935-1959	12
3	Map of Tennessee River Basin Mean Precipitation for Crop Season, April-October, for 25-Year Period 1935-1959	12
	Maps of Tennessee River Basin Mean Monthly Precipitation for 25-Year Period 1935-1959, as follows:	12

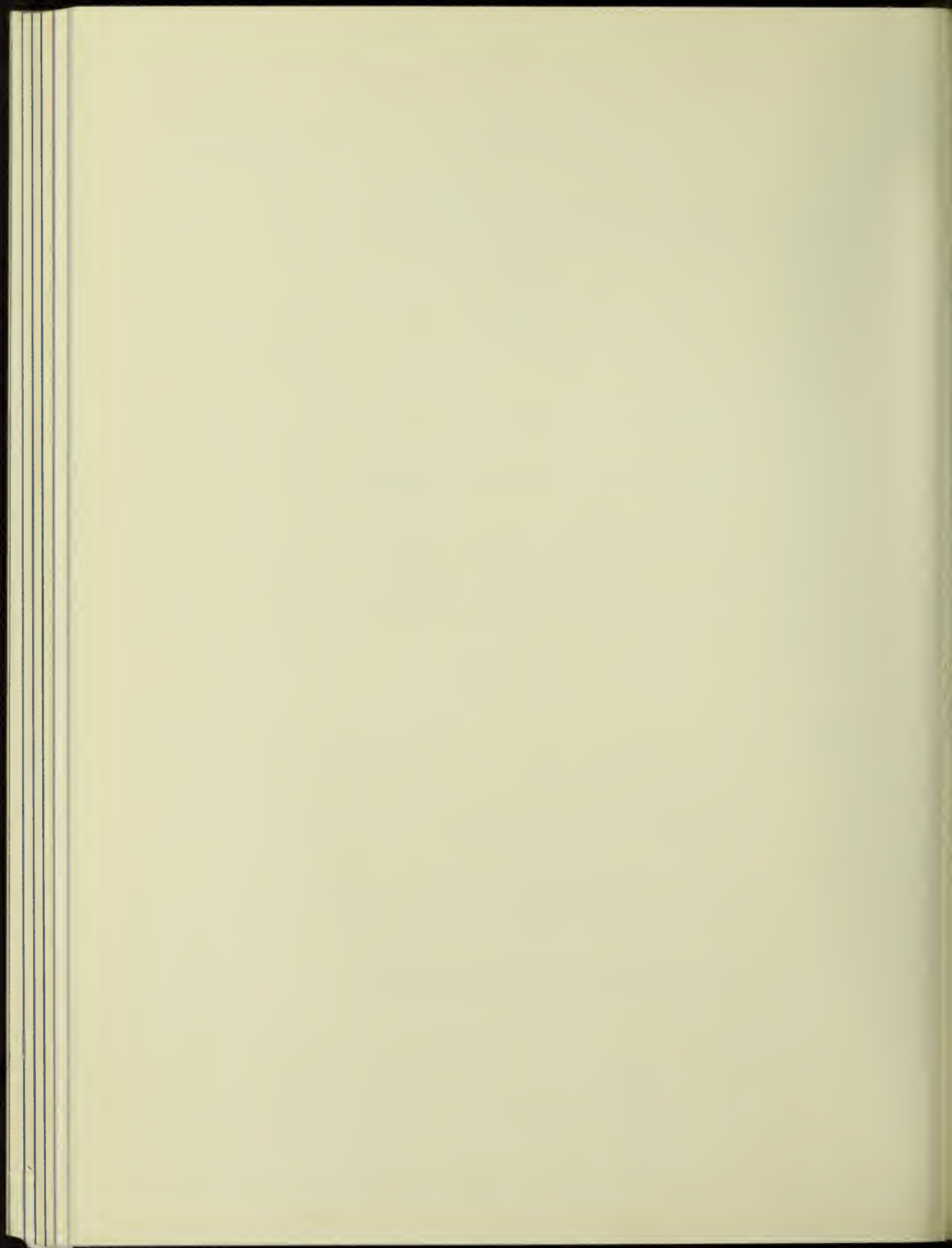
Plate

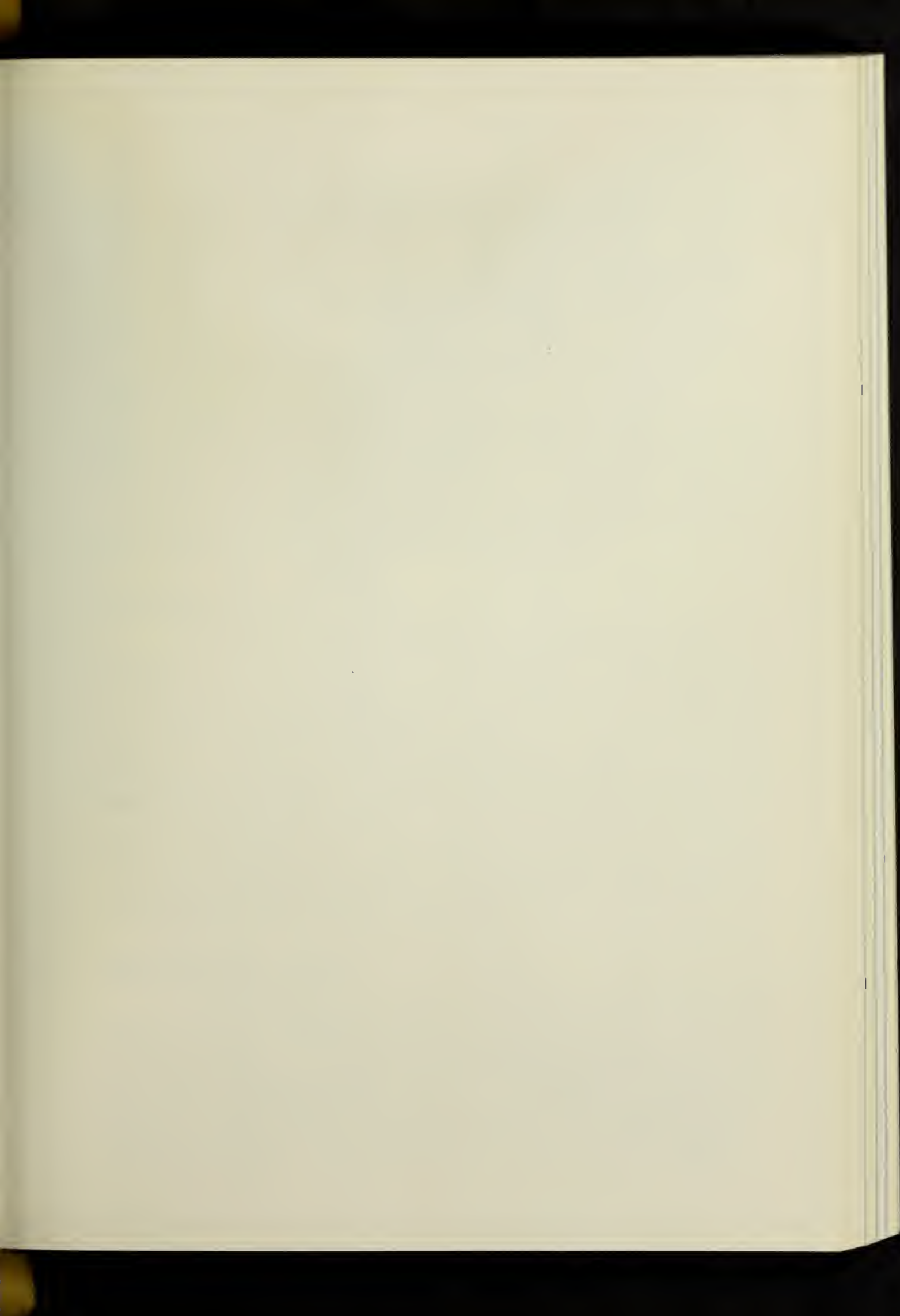
4 January
5 February
6 March
7 April
8 May
9 June

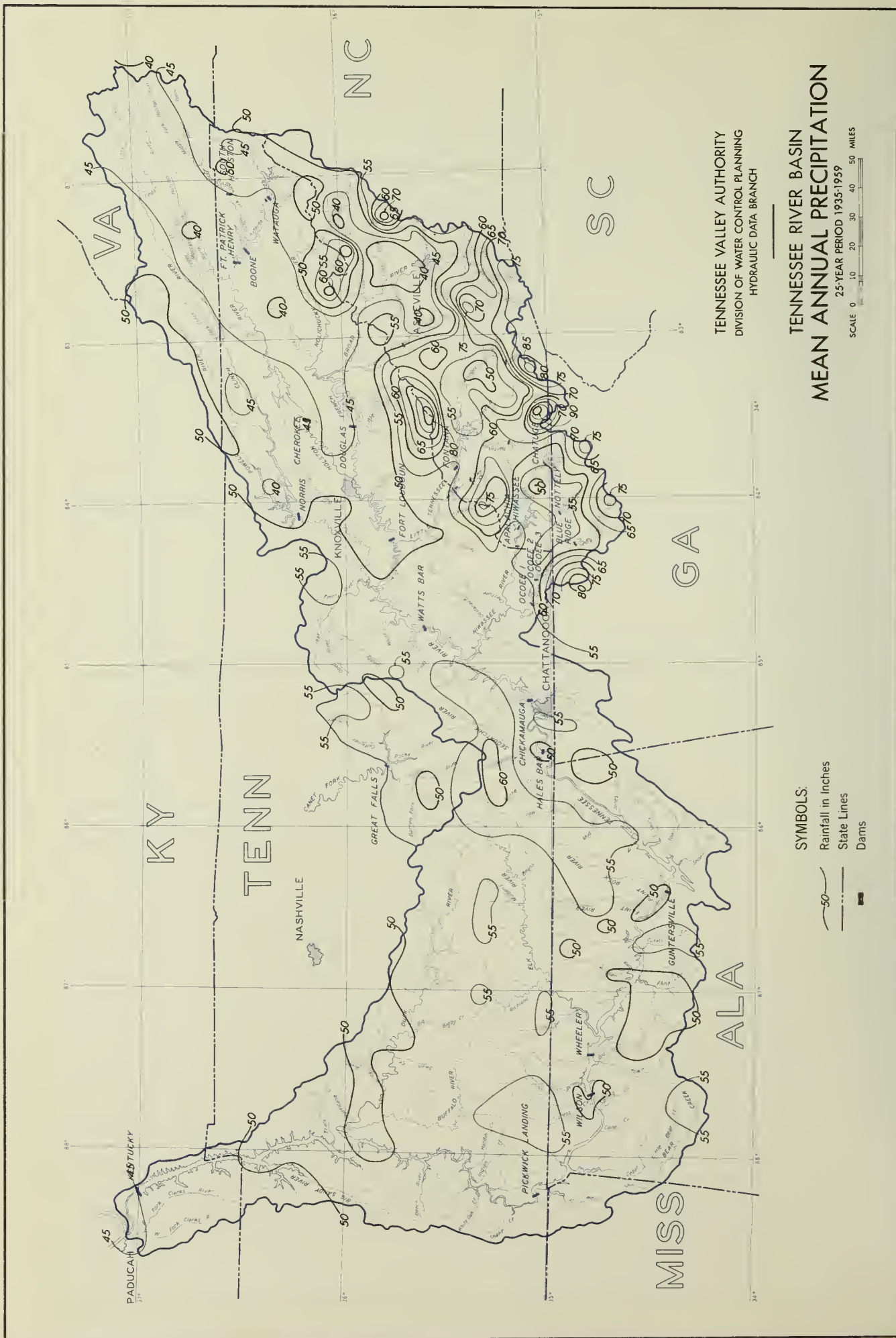
Plate

10 July
11 August
12 September
13 October
14 November
15 December

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TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN MEAN ANNUAL PRECIPITATION

25-YEAR PERIOD 1935-1959
SCALE 0 10 20 30 40 50 MILES

SYMBOLS:
Rainfall in Inches
State Lines
Dams

Tennessee Valley Authority
Division of Water Control Planning
Hydraulic Data Branch

MEAN PRECIPITATION
IN THE
TENNESSEE RIVER BASIN

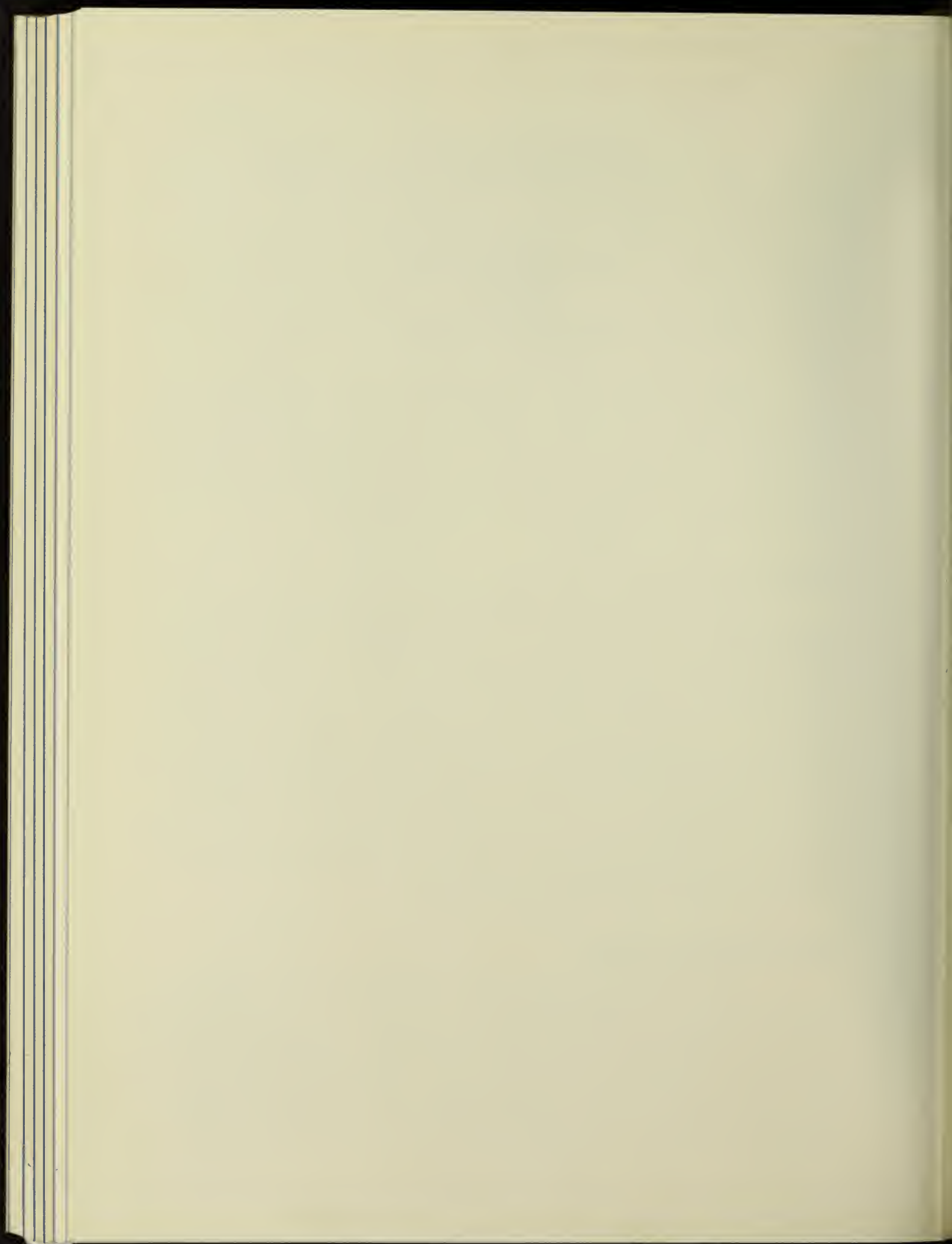
Maps and tables accompanying this report show mean monthly, flood season, crop season, and annual precipitation data for the Tennessee River Basin and its major watershed subdivisions above and below Chattanooga. Also shown are monthly and annual mean precipitation for stations with 15 years or more of record through 1959. A brief explanation of the data follows:

70-Year Mean Precipitation

The monthly mean precipitation for the period January 1890 to December 1959, shown in Tables 1, 2, and 3, was computed using all available records. For the period 1890 to 1934 the means are computed arithmetically for the two major watershed subdivisions of the Basin above and below Chattanooga. Records for a limited number of stations, operated mostly by the U. S. Weather Bureau, were available up to 1934. In 1934, TVA began installing additional rain gage stations. Beginning in 1935 both the above and below Chattanooga values are based on weighted means of available precipitation records, using the Thiessen method of weighting each station. The Basin means are weighted means computed from the above and below Chattanooga values. The 70-year median monthly and annual precipitation is also shown on these tables.

Mean Precipitation at Stations

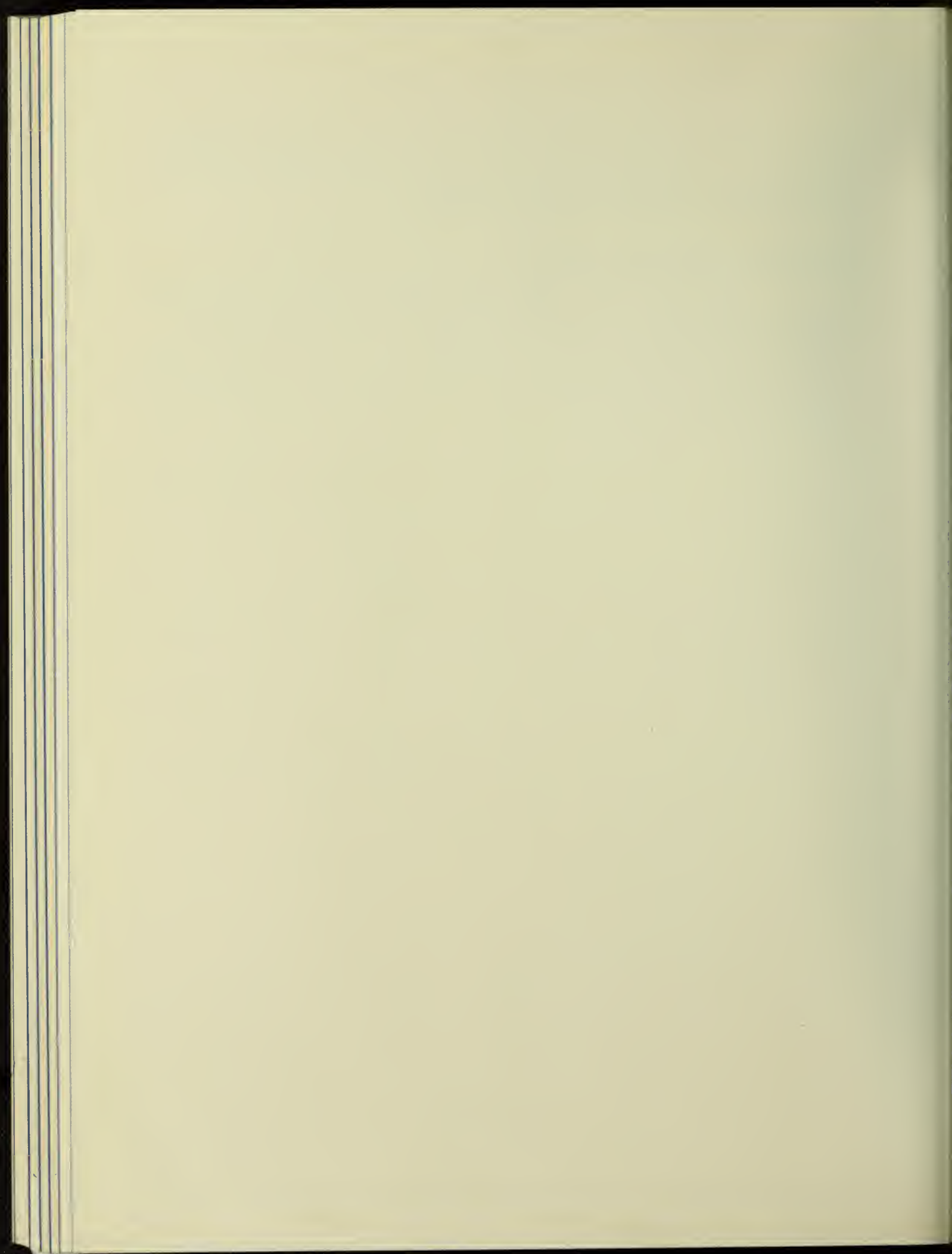
The monthly and annual mean precipitation data shown in Table 4 for stations with 15 years or more of record are determined as follows: Long-term means for full-time U. S. Weather Bureau stations are computed by the Weather Bureau and are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for U. S. Weather Bureau co-operative stations with records beginning on or before 1931 are based on the



period 1931-1955. For TVA, Weather Bureau, and other agency stations with 15 years or more of record through 1959, the figures are means computed by TVA and are adjusted to the 25-year period 1935-1959.

25-Year Mean Precipitation Maps

The isohyetal maps, Plates 2 to 15 and the Frontispiece, showing 25-year mean precipitation for the period 1935-1959, were developed using the records for all stations having 15 or more years of record through 1959. Averages for stations with length of record between 15 and 25 years have been adjusted to the 25-year period 1935-1959.



TABLES 1 TO 3

1890-1959 Mean Monthly and Annual Precipitation

In The

Tennessee River Basin

and

Above and Below Chattanooga



TABLE 1
MEAN PRECIPITATION—INCHES

TENNESSEE RIVER BASIN

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1890	5.06	8.55	5.82	4.00	4.98	2.81	4.08	5.42	6.05	3.66	0.83	4.11	55.37
1891	5.71	9.11	9.13	2.94	1.88	5.46	5.05	3.87	1.50	0.73	4.74	4.44	54.56
1892	5.62	3.60	3.87	9.60	4.22	5.36	6.13	4.47	3.04	0.34	5.96	4.73	56.94
1893	2.10	7.07	2.79	5.69	7.59	4.78	3.24	2.79	4.28	2.13	2.21	2.98	47.65
1894	4.50	6.61	3.48	3.12	3.14	2.94	4.67	4.63	2.12	1.51	1.07	5.18	42.97
1895	6.77	1.79	5.64	3.93	3.98	3.44	6.28	4.26	2.07	1.90	2.46	4.00	46.52
1896	2.33	4.97	6.03	3.47	3.59	4.78	8.08	2.14	3.44	1.56	6.55	1.35	48.29
1897	3.23	5.51	11.23	5.59	3.18	3.40	5.51	3.05	0.50	1.99	2.70	5.74	51.63
1898	7.14	1.13	4.69	4.17	2.77	3.38	6.45	4.95	4.71	5.13	3.37	2.66	50.55
1899	4.98	7.19	9.97	3.52	3.20	3.20	4.74	3.04	1.78	2.42	2.36	5.29	51.69
1900	3.21	5.65	4.60	5.85	2.83	9.47	4.54	2.50	3.31	4.58	4.99	3.25	54.78
1901	4.68	1.90	5.22	5.48	4.97	4.16	2.58	11.86	4.28	1.46	1.50	8.24	56.33
1902	4.43	4.36	6.81	2.51	2.54	4.37	2.48	3.09	5.16	2.25	4.49	5.23	47.72
1903	3.09	9.04	6.75	5.00	4.32	5.12	4.16	3.50	0.85	2.21	3.59	2.92	50.55
1904	3.10	2.56	6.35	2.91	3.85	3.52	3.89	3.85	1.78	0.49	3.16	5.32	40.78
1905	3.83	5.39	3.70	3.56	5.67	5.71	4.98	5.34	2.27	4.78	1.44	5.82	52.49
1906	5.16	1.34	5.76	2.37	3.29	4.44	8.60	4.88	2.96	3.87	4.96	4.91	56.54
1907	2.08	3.82	4.41	4.38	5.70	4.67	4.46	3.56	5.80	1.89	5.28	4.42	50.47
1908	4.03	5.23	4.69	5.07	4.41	3.72	4.68	5.08	2.25	2.68	2.31	5.76	49.91
1909	3.25	7.37	6.33	5.29	6.34	7.35	5.18	2.92	3.79	2.79	1.41	3.97	55.99
1910	4.05	4.22	1.16	3.93	6.00	5.83	6.76	3.47	2.83	3.03	1.47	4.26	47.01
1911	4.65	4.20	3.63	8.55	1.95	3.54	5.10	4.68	2.87	4.15	4.19	7.74	55.25
1912	3.63	4.24	8.13	8.39	4.23	4.50	5.93	4.40	3.88	1.87	1.63	5.52	56.35
1913	8.45	4.95	7.45	2.56	4.66	3.06	3.45	2.91	4.05	2.84	1.46	3.33	49.17
1914	2.19	3.83	4.19	4.39	1.68	2.63	4.60	5.40	2.35	3.83	2.56	7.68	45.33
1915	5.34	3.86	2.87	1.25	5.01	3.87	4.61	6.22	3.99	3.78	5.27	6.91	52.98
1916	6.06	3.64	2.90	2.67	4.88	5.63	10.08	4.39	2.05	2.61	2.22	4.50	51.63
1917	6.43	4.24	11.19	3.81	3.16	4.67	6.03	3.87	3.55	2.57	0.99	1.70	53.01
1918	6.97	2.54	2.03	5.74	3.94	4.62	3.97	2.58	3.42	7.50	2.62	4.68	50.61
1919	5.45	3.55	6.77	3.28	5.88	4.76	3.41	5.35	1.01	7.05	4.69	4.02	55.22
1920	5.31	3.68	6.62	8.60	4.13	5.10	4.42	8.55	3.71	0.83	3.38	5.74	60.07
1921	3.60	5.58	3.93	5.14	2.85	3.38	5.68	5.67	4.01	2.35	5.33	2.82	50.34
1922	5.29	4.58	9.31	5.31	4.93	4.34	4.93	3.08	1.34	1.99	1.89	7.92	54.91
1923	5.57	4.67	6.71	5.06	6.84	4.16	4.50	5.68	2.59	1.64	3.46	5.65	56.53
1924	5.98	4.30	3.69	5.82	5.43	3.80	4.01	2.82	4.92	0.49	1.17	6.51	48.94
1925	4.56	3.54	2.48	2.98	2.09	2.90	3.21	1.57	2.14	7.54	4.61	2.16	39.78
1926	4.54	3.04	4.03	2.46	3.03	4.53	3.91	6.90	2.15	3.62	5.32	10.06	53.59
1927	3.04	4.60	6.39	5.86	4.56	5.20	4.04	4.05	1.73	2.67	4.57	6.78	53.49
1928	2.68	2.15	5.22	6.17	5.09	9.16	4.10	5.98	3.76	4.88	3.20	1.58	53.97
1929	4.90	5.16	8.48	4.90	7.75	5.04	4.49	1.94	6.23	3.95	6.91	3.10	62.85
1930	3.36	3.41	4.62	1.59	5.54	1.85	2.42	2.75	3.93	2.36	3.97	3.12	38.92
1931	2.11	3.68	3.75	4.11	3.29	1.85	5.49	4.45	1.55	1.82	2.84	9.22	44.16
1932	7.24	6.05	4.85	4.61	2.77	4.69	4.97	4.14	3.85	7.06	3.52	8.45	62.20
1933	3.09	6.34	5.02	4.02	6.88	1.92	5.61	4.53	2.76	1.42	1.95	4.05	47.59
1934	3.29	3.28	8.11	2.91	2.80	5.61	5.04	5.34	4.09	3.22	3.93	2.83	50.45
1935	4.81	4.01	7.47	4.93	4.67	4.01	3.73	3.58	1.62	3.28	5.42	2.07	49.60
1936	6.96	4.22	6.57	5.85	1.27	1.60	7.14	3.31	3.93	4.48	2.45	6.59	54.37
1937	12.01	4.21	2.29	4.71	4.30	3.56	4.43	5.43	2.69	6.00	1.68	3.51	54.82
1938	4.90	2.06	5.91	5.36	5.87	5.38	7.17	4.33	2.33	0.41	4.69	2.49	50.90
1939	5.70	10.03	4.94	4.43	3.46	5.49	4.44	3.61	1.57	1.00	1.36	3.10	49.13
1940	2.28	5.15	5.36	4.28	2.93	4.34	4.99	5.96	0.85	2.08	3.59	3.49	45.30
1941	2.84	1.08	3.41	3.35	0.89	3.43	8.23	4.03	1.18	3.11	2.83	3.48	37.86
1942	3.38	4.17	5.17	1.71	3.89	3.85	4.80	6.97	3.60	2.70	2.24	8.57	51.05
1943	2.64	3.12	6.21	3.65	3.55	3.47	5.01	2.76	4.87	1.57	2.07	3.06	41.98
1944	2.74	9.71	7.95	4.89	3.01	2.20	2.62	4.31	5.94	1.50	3.02	5.47	53.36
1945	3.91	7.47	4.26	5.31	5.03	4.35	4.52	3.69	3.57	3.07	5.83	5.42	56.43
1946	8.56	6.40	5.23	3.65	5.84	3.21	4.90	3.52	3.93	2.88	4.51	3.61	56.24
1947	9.65	2.02	3.69	3.80	4.31	4.41	3.32	3.92	2.15	2.77	4.71	2.52	47.27
1948	3.92	8.54	7.03	3.25	3.36	3.34	5.39	3.00	3.06	1.67	11.16	5.67	59.39
1949	8.54	3.96	5.37	4.23	3.91	6.08	6.70	5.22	2.72	5.99	1.71	4.39	58.82
1950	10.39	5.95	6.66	2.01	5.80	4.74	6.81	5.63	4.44	1.77	3.75	3.28	61.23
1951	5.30	5.51	7.38	4.76	1.69	5.94	4.44	2.06	4.58	2.23	6.13	8.51	58.53
1952	5.97	2.96	7.09	2.67	3.37	2.20	2.42	5.39	2.75	1.41	3.90	3.93	44.06
1953	5.51	6.59	5.02	4.89	5.16	3.21	4.89	1.45	3.01	0.65	1.40	5.06	46.84
1954	9.85	3.17	4.37	4.14	3.74	2.76	3.08	2.84	1.59	2.14	2.98	6.29	46.95
1955	2.32	6.58	7.91	5.43	5.04	3.08	4.75	2.72	1.83	2.77	3.66	2.79	48.88
1956	3.51	9.31	4.56	5.93	3.24	3.33	5.06	3.03	2.72	2.56	2.48	6.50	52.23
1957	8.16	7.67	2.84	5.37	4.10	6.10	2.41	2.65	7.00	3.45	9.50	5.37	64.62
1958	2.75	3.67	3.78	6.73	4.44	3.30	7.00	3.44	3.54	1.21	3.63	2.02	45.51
1959	4.79	3.86	4.45	4.73	4.85	3.66	4.92	4.10	3.25	5.24	4.29	5.28	53.42
Mean	4.91	4.81	5.51	4.47	4.14	4.23	4.92	4.18	3.19	2.85	3.54	4.76	51.51
Median	4.66	4.24	5.22	4.38	4.12	4.16	4.74	3.98	3.05	2.56	3.38	4.47	51.63

Maximum Minimum

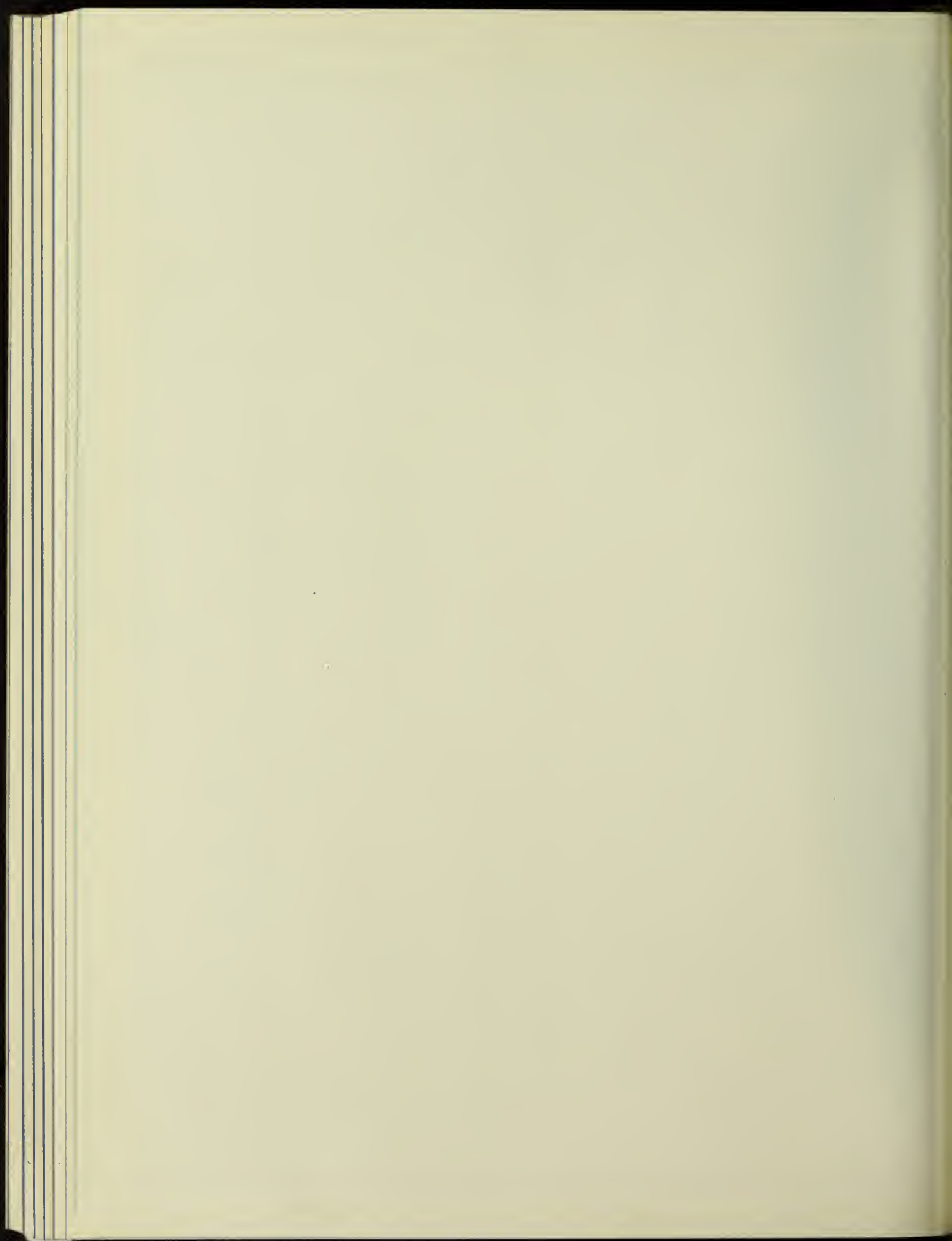


TABLE 2
MEAN PRECIPITATION—INCHES
TENNESSEE RIVER BASIN ABOVE CHATTANOOGA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1890	3.96	8.37	5.47	4.35	5.57	2.90	5.34	5.42	5.57	4.41	0.44	4.33	56.13
1891	5.20	9.69	3.61	2.22	2.53	5.03	4.56	5.21	1.77	0.89	3.82	4.43	54.01
1892	7.04	2.77	3.05	7.34	3.10	6.36	4.97	3.83	2.30	0.41	5.89	3.09	51.50
1893	2.54	7.21	2.80	4.30	0.53	5.04	3.73	3.58	3.72	2.49	2.11	2.67	46.72
1894	3.68	5.97	2.52	2.69	3.11	3.51	4.31	4.20	1.85	2.11	1.01	5.68	41.34
1895	6.96	2.15	5.16	4.21	4.65	3.55	6.10	4.89	1.47	1.90	2.27	3.41	46.72
1896	1.99	4.50	5.54	2.92	3.35	5.32	9.53	2.42	3.71	1.64	6.30	1.06	43.28
1897	2.90	6.50	10.09	5.33	3.77	4.49	6.04	3.50	0.77	2.09	2.06	5.13	52.67
1898	6.17	0.96	4.80	4.02	2.96	3.56	6.81	6.57	5.71	6.13	3.23	2.46	53.38
1899	3.81	7.78	11.04	3.54	4.01	4.05	4.71	3.06	2.64	2.48	1.87	4.10	53.09
1900	3.12	6.13	5.25	4.05	2.09	7.36	4.45	2.75	3.81	3.36	5.02	3.60	50.99
1901	4.54	1.61	5.80	6.33	6.46	5.59	2.90	13.33	3.51	1.46	1.30	9.98	62.81
1902	3.74	5.21	6.02	2.03	2.61	5.75	2.73	2.67	5.14	2.21	3.80	4.13	46.04
1903	2.81	9.24	7.88	6.24	2.87	5.42	4.56	4.14	1.04	2.47	3.63	2.33	52.63
1904	2.89	3.35	6.06	2.70	3.60	2.73	3.72	4.60	1.41	0.17	3.42	4.68	40.33
1905	3.65	5.50	3.27	3.70	5.51	4.94	6.22	6.19	1.58	4.06	1.13	6.19	51.94
1906	5.90	1.30	5.15	2.76	3.33	5.81	8.99	5.78	6.48	3.75	4.36	4.57	58.18
1907	1.42	3.43	4.34	4.33	4.22	5.75	4.58	4.06	6.91	1.67	5.60	4.76	51.07
1908	4.23	4.52	4.48	4.79	3.76	3.24	5.79	5.86	2.00	4.36	1.96	6.31	51.30
1909	3.51	6.39	6.86	4.75	6.44	8.67	6.05	3.81	3.88	2.95	0.94	3.77	58.02
1910	3.93	3.88	1.37	3.59	6.59	5.79	6.51	4.75	3.26	2.15	1.43	4.44	47.69
1911	4.84	3.84	4.51	7.49	1.70	3.32	4.54	4.01	3.08	4.77	4.04	5.17	51.31
1912	3.36	4.01	7.63	7.35	4.32	4.78	5.59	3.73	4.11	1.80	1.90	4.77	53.35
1913	6.57	4.47	7.77	2.40	5.39	3.21	3.49	3.33	4.11	2.65	1.46	3.58	48.43
1914	2.31	3.77	4.25	4.44	1.42	3.14	5.37	5.15	1.99	4.67	2.91	8.16	47.58
1915	5.01	3.99	2.75	1.53	5.13	5.03	4.84	5.37	4.26	4.28	4.11	6.92	53.22
1916	4.97	4.35	2.79	2.45	4.27	5.47	11.07	4.97	2.48	3.02	2.38	3.70	51.92
1917	6.10	4.55	11.40	3.10	2.71	4.44	7.21	4.57	3.95	2.81	0.64	1.71	53.19
1918	6.90	2.66	2.67	5.24	4.15	5.26	4.29	3.18	3.39	8.37	2.31	5.07	53.49
1919	5.66	3.50	4.91	3.33	4.92	4.87	3.81	4.18	1.04	5.64	2.45	4.25	48.56
1920	4.44	3.75	6.61	7.13	2.85	5.46	4.50	9.80	4.34	0.90	3.76	6.06	59.60
1921	3.89	5.17	2.70	4.56	3.69	3.55	6.40	5.46	3.23	2.06	5.21	2.98	48.90
1922	5.45	4.52	8.16	4.96	4.48	4.62	5.53	3.31	1.48	2.48	1.34	7.50	53.83
1923	5.41	4.51	6.18	4.35	6.53	4.78	5.08	4.56	2.76	1.06	2.97	4.66	52.85
1924	5.96	4.02	3.81	5.82	4.88	3.55	5.22	2.85	6.56	0.88	1.28	6.66	51.49
1925	4.90	2.77	2.18	3.17	2.18	3.15	2.80	1.25	1.58	7.08	4.17	2.00	37.23
1926	4.83	3.55	4.09	2.82	2.82	4.18	4.66	6.09	2.61	3.06	5.11	8.75	52.57
1927	2.26	5.16	4.51	4.24	4.40	4.97	4.97	4.84	1.46	2.40	3.94	7.39	50.54
1928	2.46	2.02	5.33	5.40	5.55	7.95	4.71	6.65	5.75	4.41	2.56	1.53	54.32
1929	4.37	5.44	7.71	4.15	7.95	5.49	5.07	1.83	6.42	3.63	6.96	2.65	61.67
1930	2.42	2.69	4.22	1.93	4.73	2.42	2.69	3.17	4.30	2.05	3.67	3.03	37.32
1931	2.02	2.87	3.33	5.24	3.96	2.05	6.20	4.76	1.89	1.59	1.81	8.57	44.29
1932	5.83	5.72	5.01	3.83	3.43	5.17	3.96	3.74	2.96	6.52	3.89	8.93	58.99
1933	3.08	5.96	3.86	3.65	6.15	2.24	5.40	5.45	2.48	1.31	1.59	3.22	44.39
1934	3.38	3.51	8.19	3.41	3.04	5.09	5.41	6.55	3.30	3.79	3.82	2.53	52.02
1935	4.30	3.87	6.95	4.99	4.38	3.53	4.86	4.15	1.47	2.40	5.76	2.12	48.78
1936	8.74	4.70	6.57	6.04	1.30	1.73	6.29	4.56	4.36	1.74	6.52	5.72	57.02
1937	10.31	4.77	2.08	4.29	3.49	3.80	4.70	6.09	2.44	6.15	1.26	3.27	52.65
1938	4.25	2.28	5.56	5.24	6.37	5.25	8.02	4.15	2.88	0.33	4.62	2.58	51.53
1939	4.68	8.91	4.40	3.77	2.64	4.27	5.03	3.86	1.49	1.02	1.22	2.94	44.23
1940	2.17	4.44	4.61	4.05	2.88	4.83	5.18	7.85	0.90	2.14	2.56	3.15	44.76
1941	2.49	1.02	4.02	3.41	0.80	4.24	9.34	3.80	1.46	2.52	2.57	3.52	39.19
1942	3.42	3.86	5.29	0.95	5.39	4.47	6.70	7.47	4.09	2.53	2.24	8.85	55.26
1943	3.53	3.59	5.80	3.79	3.59	4.27	6.66	2.64	3.60	2.13	1.79	2.81	44.20
1944	2.63	9.38	7.41	4.21	3.00	2.42	2.84	3.81	6.77	2.04	3.27	4.20	51.98
1945	3.04	6.64	3.72	4.92	5.19	4.25	5.69	3.83	3.83	3.32	4.43	5.38	54.24
1946	7.71	5.39	4.87	4.00	6.02	3.27	4.67	3.52	3.23	3.39	3.13	3.60	52.80
1947	10.32	2.27	3.52	2.75	3.55	4.69	3.68	4.86	2.39	3.12	4.34	2.32	47.81
1948	3.75	6.80	6.18	3.06	3.21	3.99	5.53	4.27	2.61	1.68	10.30	5.73	57.11
1949	6.49	3.80	4.54	4.81	3.58	5.40	7.98	6.23	2.97	6.22	2.24	3.77	58.03
1950	7.75	5.01	6.21	1.72	6.65	5.22	6.61	4.67	4.25	2.30	2.63	3.72	56.74
1951	3.49	4.70	7.25	4.58	2.55	5.15	4.66	2.26	4.77	2.07	5.71	6.90	54.79
1952	5.56	2.43	6.99	2.73	3.56	2.83	2.22	5.32	2.61	0.81	4.29	3.96	44.01
1953	5.23	6.28	4.37	3.59	5.03	4.27	4.82	1.94	3.21	0.78	1.62	4.74	45.88
1954	9.74	2.54	5.80	3.48	3.64	2.85	3.62	3.54	1.45	2.07	3.37	5.95	48.05
1955	2.25	6.15	7.48	4.79	4.33	3.31	5.08	3.21	2.03	3.03	3.43	2.73	47.82
1956	2.80	8.94	5.24	5.94	3.48	2.96	6.06	2.69	3.80	2.48	2.70	5.95	53.04
1957	7.73	8.03	2.77	6.06	3.41	6.57	2.02	3.02	7.69	3.29	7.94	5.56	64.09
1958	2.67	4.16	3.79	6.51	4.77	3.16	6.86	4.07	2.21	1.50	3.02	2.89	45.61
1959	4.58	3.64	4.58	5.37	4.74	3.39	4.79	4.09	3.54	6.02	4.58	4.46	53.78
Mean	4.57	4.67	5.30	4.19	4.10	4.44	5.28	4.50	3.26	2.89	3.24	4.55	50.99
Median	4.24	4.46	5.08	4.18	3.80	4.46	5.05	4.15	3.14	2.48	3.00	4.22	51.93

Maximum Minimum

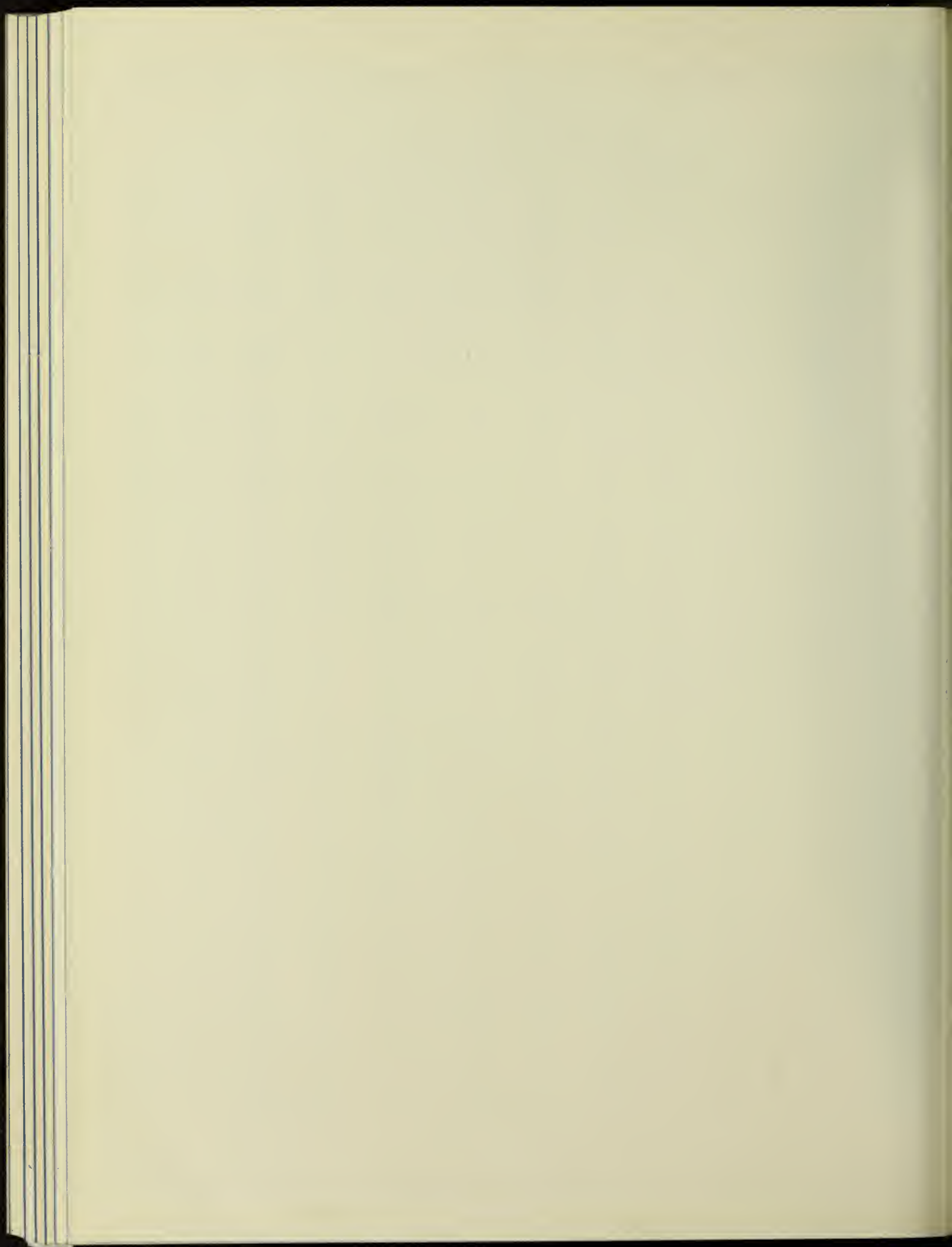


TABLE 3
MEAN PRECIPITATION—INCHES
TENNESSEE RIVER BASIN BELOW CHATTANOOGA

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1890	6.31	8.76	6.22	3.60	4.30	2.70	2.65	5.42	6.60	2.80	1.28	3.85	54.49
1891	6.30	8.45	9.73	3.76	1.14	5.89	5.61	2.35	1.20	0.55	5.80	4.46	55.24
1892	3.99	4.44	4.13	<u>12.19</u>	4.71	4.21	7.51	5.19	3.89	0.26	6.04	6.61	63.17
1893	<u>1.60</u>	6.92	2.78	<u>7.28</u>	<u>8.79</u>	4.49	2.68	1.88	4.91	1.72	2.32	3.34	48.71
1894	<u>5.43</u>	7.35	4.57	3.61	<u>2.37</u>	2.28	5.09	5.12	2.42	0.82	1.13	4.61	44.80
1895	6.56	1.37	6.18	3.61	3.21	3.32	6.49	3.55	2.75	1.91	2.68	4.68	46.31
1896	2.71	5.51	6.58	4.10	3.86	4.17	6.43	1.82	3.13	1.46	6.83	1.68	48.28
1897	3.61	4.38	<u>12.54</u>	5.89	2.50	2.16	4.90	2.54	0.19	1.88	3.44	6.44	50.47
1898	8.25	1.33	<u>4.57</u>	4.34	2.56	3.18	6.03	3.11	<u>3.56</u>	3.98	3.52	2.88	47.31
1899	6.31	6.52	8.74	3.49	2.27	2.22	4.77	3.01	0.79	2.35	2.91	6.65	50.03
1900	3.31	5.10	3.86	7.90	3.67	<u>11.87</u>	4.64	2.22	2.74	5.97	4.95	2.86	59.09
1901	4.83	2.24	4.56	4.51	3.26	<u>2.52</u>	2.22	<u>10.18</u>	5.15	1.45	1.72	6.25	48.89
1902	5.22	3.38	7.72	3.06	2.47	2.80	2.19	<u>3.57</u>	5.19	2.30	5.27	6.48	49.65
1903	3.40	8.82	5.45	3.59	5.97	4.77	3.71	2.77	0.63	1.91	3.55	3.60	48.17
1904	3.34	1.66	6.69	3.15	4.14	3.28	4.08	2.99	2.21	0.86	2.87	6.04	41.31
1905	4.04	5.27	4.19	3.39	5.86	6.58	3.56	4.38	3.06	5.61	1.80	5.39	53.13
1906	4.31	1.39	6.46	1.93	3.24	2.88	8.16	3.86	<u>7.50</u>	4.00	5.65	5.29	54.67
1907	2.84	4.27	4.50	4.43	7.38	3.43	4.33	2.99	<u>4.53</u>	2.15	4.91	4.04	49.80
1908	3.80	6.04	4.93	5.40	5.15	4.27	3.41	4.20	2.53	0.76	2.72	5.14	48.35
1909	2.95	8.48	5.73	5.91	6.22	5.85	4.19	1.90	3.69	2.60	1.94	4.19	53.65
1910	4.18	4.61	<u>0.91</u>	4.32	5.32	5.88	7.04	2.00	2.33	4.03	1.51	4.06	46.19
1911	4.43	4.62	<u>2.62</u>	9.76	2.24	3.79	5.73	5.45	2.64	3.44	4.37	10.68	59.77
1912	3.93	4.51	8.70	9.57	4.13	4.19	6.31	5.17	3.62	1.94	1.32	6.37	59.76
1913	10.60	5.50	7.08	2.75	3.82	2.89	3.40	2.42	3.99	3.06	1.46	3.05	50.02
1914	2.06	3.89	4.12	4.33	1.97	2.05	3.72	5.68	2.76	2.88	2.15	7.13	42.74
1915	5.72	3.71	3.00	<u>0.93</u>	4.87	2.54	4.35	7.19	3.69	3.21	6.59	6.90	52.70
1916	7.31	2.83	3.02	<u>2.92</u>	5.57	5.81	<u>8.94</u>	3.73	1.55	2.14	2.04	5.41	51.27
1917	6.80	3.89	10.96	4.63	3.67	4.93	<u>6.40</u>	3.08	3.10	2.29	1.39	1.68	52.82
1918	7.04	2.40	1.31	6.30	3.71	3.90	3.60	1.90	3.45	6.50	2.97	4.24	47.32
1919	5.20	3.60	8.89	3.22	6.97	4.63	2.95	6.69	0.98	<u>8.65</u>	7.25	3.76	62.79
1920	6.30	3.60	6.64	10.27	5.60	4.69	4.33	7.13	3.00	0.75	2.94	5.38	60.63
1921	3.27	6.04	5.33	5.81	1.89	3.19	4.85	5.92	4.89	2.68	5.46	2.63	51.96
1922	5.11	4.64	10.63	5.71	5.44	4.01	4.24	2.81	1.17	1.43	2.52	8.41	56.12
1923	5.75	4.86	7.31	5.87	7.19	3.46	3.83	6.95	2.40	2.30	4.01	6.78	60.71
1924	6.00	4.61	3.56	5.83	6.05	<u>4.09</u>	2.62	2.78	3.05	<u>0.05</u>	<u>1.04</u>	6.34	46.02
1925	4.17	4.42	2.82	2.77	1.99	2.61	3.67	1.94	2.78	8.07	5.12	2.34	42.70
1926	4.20	2.45	3.97	2.05	3.27	4.94	3.05	7.83	1.63	4.25	5.56	<u>11.55</u>	54.75
1927	3.93	3.96	8.54	7.71	4.75	5.46	2.97	3.14	2.04	2.98	5.28	<u>6.09</u>	56.85
1928	2.94	2.30	5.09	7.05	4.56	10.54	3.41	5.22	1.49	5.42	3.94	1.64	53.60
1929	5.51	4.84	9.36	5.76	7.52	4.52	3.83	2.07	6.02	4.32	6.86	3.62	64.23
1930	4.43	4.24	5.07	1.20	6.47	1.20	2.11	2.27	3.51	2.72	4.31	3.22	40.75
1931	2.22	4.60	4.24	2.83	2.52	<u>1.62</u>	4.69	4.10	1.16	2.09	4.02	9.96	44.05
1932	8.85	6.42	4.66	5.51	2.02	4.15	6.12	4.59	4.86	7.67	3.10	7.90	65.85
1933	3.10	6.77	6.34	4.45	7.71	1.55	5.85	3.48	3.08	1.54	2.37	5.00	51.24
1934	3.18	3.01	8.01	2.34	2.52	6.21	4.62	3.96	5.00	2.58	4.05	3.17	48.65
1935	5.40	4.18	8.07	4.86	5.00	4.55	2.43	2.94	1.79	4.29	5.04	2.02	50.57
1936	4.92	3.68	6.58	5.63	1.24	1.46	8.11	1.99	3.22	4.61	3.27	6.66	51.37
1937	<u>13.94</u>	3.57	2.54	5.18	5.22	3.28	4.11	4.70	2.98	5.84	2.15	3.78	57.29
1938	<u>5.65</u>	1.80	6.31	5.50	5.31	5.53	6.20	4.53	1.70	0.49	4.77	2.38	50.17
1939	6.87	<u>11.31</u>	5.57	5.18	4.39	6.89	3.77	3.32	1.65	0.99	1.53	3.27	54.74
1940	2.42	5.97	6.20	4.54	2.99	3.77	4.77	3.80	0.80	2.02	4.77	3.87	45.92
1941	3.24	1.15	2.72	3.29	0.99	2.50	6.96	4.30	0.87	3.79	3.16	3.43	36.40
1942	3.33	<u>4.53</u>	5.04	2.57	2.18	3.14	2.63	6.41	3.05	2.90	2.24	8.25	46.27
1943	1.62	2.58	6.67	3.50	3.50	2.55	3.12	2.89	6.31	0.93	2.39	3.34	39.40
1944	2.87	10.09	8.57	5.67	3.02	1.95	2.37	4.89	4.99	0.88	2.74	6.92	54.96
1945	4.91	8.42	4.87	5.75	4.84	4.46	3.18	3.52	3.27	2.78	7.43	5.46	58.89
1946	9.54	7.56	5.64	3.24	5.64	3.14	5.16	3.52	4.72	2.30	6.08	3.63	60.17
1947	8.89	1.73	3.88	4.99	5.18	4.09	2.90	2.85	1.87	2.36	5.13	2.75	46.62
1948	4.12	10.53	8.00	3.46	3.53	2.59	5.24	1.56	3.57	1.65	<u>12.15</u>	5.61	62.01
1949	10.88	4.15	6.32	3.56	4.28	6.86	5.24	4.07	2.43	5.72	<u>1.10</u>	5.09	59.70
1950	13.41	7.02	7.17	2.35	4.82	4.20	7.03	6.72	4.66	1.17	5.02	2.78	66.35
1951	7.36	6.44	7.52	4.96	<u>0.71</u>	6.04	4.18	1.83	4.37	2.41	6.60	10.34	62.76
1952	6.43	3.50	7.20	2.61	<u>3.15</u>	1.42	1.97	5.46	2.90	2.09	3.45	3.90	44.08
1953	5.34	6.95	5.77	6.37	5.30	1.99	<u>4.98</u>	<u>0.90</u>	2.78	0.50	1.15	5.43	47.96
1954	9.97	3.88	2.73	4.89	3.86	2.65	2.47	<u>2.05</u>	1.73	2.22	2.58	6.65	45.68
1955	2.40	7.07	8.41	6.15	5.84	2.81	4.38	2.16	1.61	2.47	3.93	2.86	50.09
1956	4.31	9.73	3.78	5.91	2.97	3.76	3.91	3.41	1.49	2.66	2.23	7.13	51.29
1957	8.66	7.25	2.92	4.58	4.88	5.56	2.86	2.23	6.22	3.64	11.29	5.15	65.24
1958	2.84	3.12	3.76	6.99	4.07	3.47	7.15	2.73	5.06	0.88	4.32	<u>1.02</u>	45.41
1959	5.02	4.11	4.30	4.00	4.98	3.96	5.06	4.11	2.91	4.34	3.96	<u>6.21</u>	52.96
Mean	5.29	4.98	<u>5.76</u>	4.78	4.18	3.98	4.51	3.82	3.11	<u>2.80</u>	3.88	5.00	52.09
Median	4.87	4.52	<u>5.60</u>	4.52	4.14	3.78	4.28	3.50	2.99	<u>2.36</u>	3.48	4.84	51.26

Maximum Minimum



TABLE 4

Monthly and Annual Mean Precipitation

at

Rainfall Stations in the Tennessee River Basin

With 15 or More Years of Record Through 1959



TENNESSEE VALLEY AUTHORITY
HYDRAULIC DATA BRANCH

TABLE 4

MONTHLY AND ANNUAL MEAN PRECIPITATION

AT STATIONS IN THE TENNESSEE VALLEY REGION

WITH 15 OR MORE YEARS OF RECORD THROUGH 1959

Sta. No.	Station Name and Location	Index	Present Owner	Elev.	Yrs. of Record	Mean Precipitation in Inches												Annual
						Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
TENNESSEE RIVER - MOUTH TO NEW JOHNSONVILLE																		
1	PADUCAH	A-1	USWB	333	78	5.00	3.90	5.28	4.38	4.02	3.70	3.03	3.30	3.36	2.75	3.72	3.55	45.99
522	PADUCAH, NEAR R	A-1	USWB	348	19	4.94	3.76	4.75	3.66	4.74	3.61	3.08	2.92	2.69	2.68	3.67	3.20	43.70
	LOVELACEVILLE	A-2	USWB	479	35	5.04	4.23	5.53	4.47	3.97	3.62	3.16	3.44	3.13	3.15	3.24	3.99	46.97
379	KENTUCKY DAM R	A-1	TVA	362	22	4.73	4.26	4.83	3.88	4.21	3.57	3.10	3.04	2.91	2.60	4.07	3.74	44.94
379A	KENTUCKY DAM	A-1	TVA	362	15	4.73	4.26	4.83	3.88	4.21	3.57	3.10	3.04	2.91	2.60	4.07	3.74	44.94
5A	MAYFIELD SUBSTA.	A-2	TVA	364	16	5.31	4.18	5.19	4.28	4.52	3.82	4.36	3.05	2.88	2.90	4.08	4.03	48.60
635	BENTON R	A-2	USWB	410	15	5.56	4.22	4.90	3.71	4.31	4.02	4.05	2.61	3.20	2.11	4.31	4.10	47.10
7	MURRAY	A-2	USWB	412	34	5.27	4.07	5.74	4.21	4.08	3.32	3.64	3.39	3.30	2.87	3.63	4.21	47.73
8	DOVER	B-2	USWB	492	62	5.80	3.92	5.47	3.85	3.71	3.36	4.01	3.38	3.37	2.84	3.79	4.25	47.75
602	DOVER FIRE TOWER, NEAR	B-2	TVA	410	17	6.51	5.16	5.69	4.12	4.07	3.94	3.85	2.98	3.44	2.46	4.71	4.87	51.80
456	BUCHANAN R	A-2	TVA	435	20	5.57	4.93	5.88	3.99	3.93	3.73	4.02	3.29	2.95	2.48	4.28	4.00	49.05
9	SPRINGVILLE	A-2	TVA	400	45	6.39	4.51	5.53	3.85	4.13	3.80	3.67	3.30	2.89	2.75	4.32	4.22	49.36
10	DRESDEN	A-2	USWB	422	36	5.86	4.36	5.59	4.22	4.31	3.77	3.57	2.97	3.22	2.83	3.87	4.59	49.16
361	PARIS EVAPORATION STA., R	A-2	TVA	455	23	5.44	5.03	5.61	4.08	3.98	3.90	4.13	3.36	2.76	2.59	4.27	4.43	49.58
11	MCKENZIE	A-2	USWB	475	26	6.14	4.29	5.50	3.74	3.89	3.35	3.53	2.49	3.38	2.85	3.91	4.39	47.46
13	HUNTINGDON	A-2	TVA	430	30	6.30	4.57	5.49	4.24	4.46	3.83	4.06	2.74	3.36	2.59	4.12	4.18	49.94
15	WILDERSVILLE	A-3	TVA	480	44	7.07	5.05	5.69	4.63	4.34	4.27	4.19	3.34	3.46	2.81	4.61	4.44	53.90
16	ERIN, NEAR	B-2	TVA	470	24	6.79	4.90	5.60	4.26	4.12	4.05	4.46	3.31	3.21	2.59	4.24	4.53	52.06
DUCK RIVER																		
459	PLEASANTVILLE	B-3	TVA	495	20	6.87	5.36	5.69	4.86	4.40	4.13	3.64	3.70	2.81	2.20	4.60	4.68	52.94
505	SUGAR HILL R	B-3	TVA	580	19	6.90	5.56	5.27	4.50	3.98	3.43	2.95	4.07	2.87	2.04	4.44	4.56	50.57
18	HOWENWALD	B-3	TVA	975	72	6.69	5.50	5.38	4.59	4.23	3.43	3.87	3.53	2.91	2.57	4.26	4.72	51.68
19	WAYNESBORO	B-3	USWB	730	75	6.27	5.74	6.06	4.93	4.07	4.04	4.60	3.91	3.08	2.70	4.54	5.12	55.06
590	MCEWEN, NEAR	B-2	TVA	545	18	6.07	5.80	6.19	4.17	4.61	4.39	4.15	3.24	3.12	2.51	4.51	4.75	53.51
20	PINEWOOD	B-3	TVA	520	44	6.71	4.89	5.41	4.43	3.87	3.65	4.01	3.20	2.41	2.53	4.12	4.38	49.61
21	DICKSON	B-2	USWB	800	68	6.14	4.60	6.03	4.39	4.26	3.71	4.56	3.47	2.97	2.66	4.02	4.73	51.54
446	CENTERVILLE SUBSTA.	B-3	TVA	486	20	6.69	5.29	5.31	4.49	3.91	3.75	4.09	3.99	2.91	2.10	4.36	4.45	51.34
380	SHADY GROVE R	B-3	TVA	580	21	6.05	5.61	5.00	4.38	3.53	3.65	4.16	3.44	2.46	2.10	4.29	4.42	49.09
22	ASEWOOD	B-3	USWB	725	87	5.92	5.34	5.92	4.35	4.04	3.40	4.39	3.54	3.23	2.51	3.78	4.74	51.16
410	COLUMBIA SUBSTA.	B-3	TVA	620	21	5.92	5.79	5.24	4.47	3.76	3.71	3.58	3.84	3.38	2.30	4.08	4.65	50.72
23	FRANKLIN	C-3	USWB	625	71	5.82	4.96	5.53	4.04	3.76	3.27	3.85	3.49	2.67	2.20	3.43	4.27	47.29
24	LEWISBURG, NEAR	C-3	USWB	787	66	5.86	5.98	5.92	4.37	3.73	3.60	4.65	3.05	2.94	2.54	3.98	4.64	51.26
25	PALMETTO	C-3	USWB	770	70	5.63	5.68	5.47	4.00	3.99	3.56	4.98	3.22	2.80	2.64	3.84	4.58	50.39
26	CHAPEL HILL	C-3	TVA	705	24	6.04	5.69	5.18	4.33	4.16	3.12	3.91	3.42	3.26	2.45	4.35	4.37	50.28
27A	MURFREESBORO	C-3	USWB	608	78	5.67	5.29	5.46	3.96	3.86	2.94	4.25	3.74	3.15	2.31	3.97	4.41	49.01
27B	MURFREESBORO SUBSTA.	C-3	TVA	580	20	6.03	5.49	5.32	4.25	4.12	3.07	4.29	3.63	3.05	2.24	4.36	4.39	50.24
449	SHELBYVILLE	C-3	TVA	742	20	6.17	6.10	5.23	4.41	4.14	3.94	3.91	3.33	3.60	2.35	4.33	4.90	52.41
28	BEECH GROVE, NEAR	C-3	TVA	860	23	6.44	6.01	5.35	3.89	4.15	3.71	4.11	4.12	3.53	2.32	4.50	4.84	52.97
TENNESSEE RIVER - NEW JOHNSONVILLE TO PICKWICK																		
17A	JOHNSONVILLE STEAM PLANT R	B-2	TVA	385	76	6.64	4.80	5.58	4.43	4.05	3.71	4.00	3.20	3.16	2.61	4.53	4.15	50.86
458	CAVIA	A-3	TVA	580	20	6.21	4.98	5.99	4.79	4.22	3.66	3.82	3.37	3.61	2.36	4.67	4.23	51.91
29	CUBA LANDING R	B-3	TVA	425	24	6.60	4.80	5.39	4.23	3.83	3.55	3.76	2.93	2.49	2.42	4.01	4.11	48.12
30	PERRYVILLE	A-3	TVA	386	64	7.19	4.95	5.33	4.61	4.05	3.97	3.68	3.43	2.78	2.59	4.48	4.29	51.35
519	OAK GROVE R	A-3	TVA	510	19	6.59	5.13	5.39	4.74	4.30	3.43	3.27	3.28	3.28	2.42	4.45	4.15	50.43
461	DUNBAR, TENNESSEE	A-3	TVA	535	20	6.67	5.51	5.64	4.97	4.36	3.89	3.14	3.43	2.90	2.43	4.59	4.69	52.22
453	CLIFTON JUNCTION	B-3	TVA	474	20	5.97	5.69	5.42	4.90	3.74	4.15	3.58	3.17	3.10	2.20	4.69	4.75	51.36
40	VICTORY R	B-3	TVA	830	24	6.50	6.28	5.69	5.01	4.12	3.96	4.20	3.73	3.17	2.71	4.80	4.93	55.10
31	REAGAN R	A-3	TVA	570	38	6.76	5.04	5.22	4.58	4.23	4.06	3.82	3.09	3.11	2.57	4.23	4.16	50.87
463	ENVILLE	A-3	TVA	455	20	7.22	5.40	5.00	4.87	4.42	3.00	3.58	3.10	2.87	2.35	4.45	4.13	50.39
34	SAVANNAH	A-3	USWB	440	77	6.83	5.39	5.91	4.45	4.03	3.86	3.88	3.91	3.12	2.64	4.28	5.04	53.34
34A	SAVANNAH R	A-3	TVA	450	15	6.50	5.44	5.21	4.73	3.98	4.09	3.79	3.22	2.80	2.58	4.26	4.53	51.13
464	LEAFWOOD, NEAR	A-3	TVA	540	20	6.13	5.72	5.46	4.81	3.84	3.61	3.13	3.32	3.20	2.63	4.72	4.50	51.07
35	SHILOH	A-3	USDI	475	49	6.70	5.74	5.45	4.82	4.06	4.06	3.63	3.41	2.99	2.90	4.39	4.80	52.95
36	SELMER	A-3	USWB	470	36	6.37	5.67	5.45	4.50	3.80	4.17	3.78	3.44	3.16	2.70	4.25	4.87	52.16
465	ACTON, NEAR	A-4	TVA	510	20	7.07	6.38	5.36	5.06	4.05	3.73	3.96	2.96	2.89	2.22	4.92	4.65	53.25
37	CORINTH	A-4	USWB	470	74	6.34	5.34	5.71	4.68	4.09	3.62	4.04	3.43	3.05	2.74	4.61	4.89	52.54
TENNESSEE RIVER - PICKWICK TO FLORENCE																		
38	PICKWICK LANDING DAM	A-3	TVA	479	25	6.42	5.56	5.12	4.63	3.75	3.75	3.60	3.09	2.86	2.84	4.63	4.66	50.91
364	BURNSVILLE SUBSTA.	A-4	TVA	452	22	6.19	5.91	5.52	5.07	4.08	3.37	3.78	3.72	3.17	2.15	5.09	5.05	53.10
401	MIDWAY	A-4	TVA	560	21	6.21	6.42	5.77	4.84	4.05	3.66	3.92	3.12	2.77	2.15	4.92	4.94	52.77
41	BOONEVILLE	A-4	USWB	504	65	6.17	5.78	6.33	4.76	4.14	3.48	4.24	3.39	3.01	2.84	4.65	5.63	54.42
42	BISHOP	A-4	TVA	470	25	6.40	6.19	6.27	5.33	4.26	3.48	4.24	3.67	2.87	2.27	4.48	4.93	54.39
43	BELGREEN R	B-4	TVA	800	25	5.93	6.13	6.22	5.06	3.84	3.42	4.91	3.63	2.73	2.54	4.24	4.72	53.37
630	BELMONT, NEAR	A-4	TVA	585	17	6.29	6.40	6.09	5.64	3.96	2.95	3.88	2.95	3.37	1.94	4.76	5.17	53.40
493	RED BAY	A-4	TVA	680	19	6.22	6.02	6.14	5.17	4.38	3.27	3.83	3.65	2.71	2.20	4.72	5.19	53.50
480	HODGES	B-4	USWB	870	22	5.98	6.31	5.80	4.94	3.85	3.84	4.28	3.73	3.02	2.09	4.37	5.26	53.47

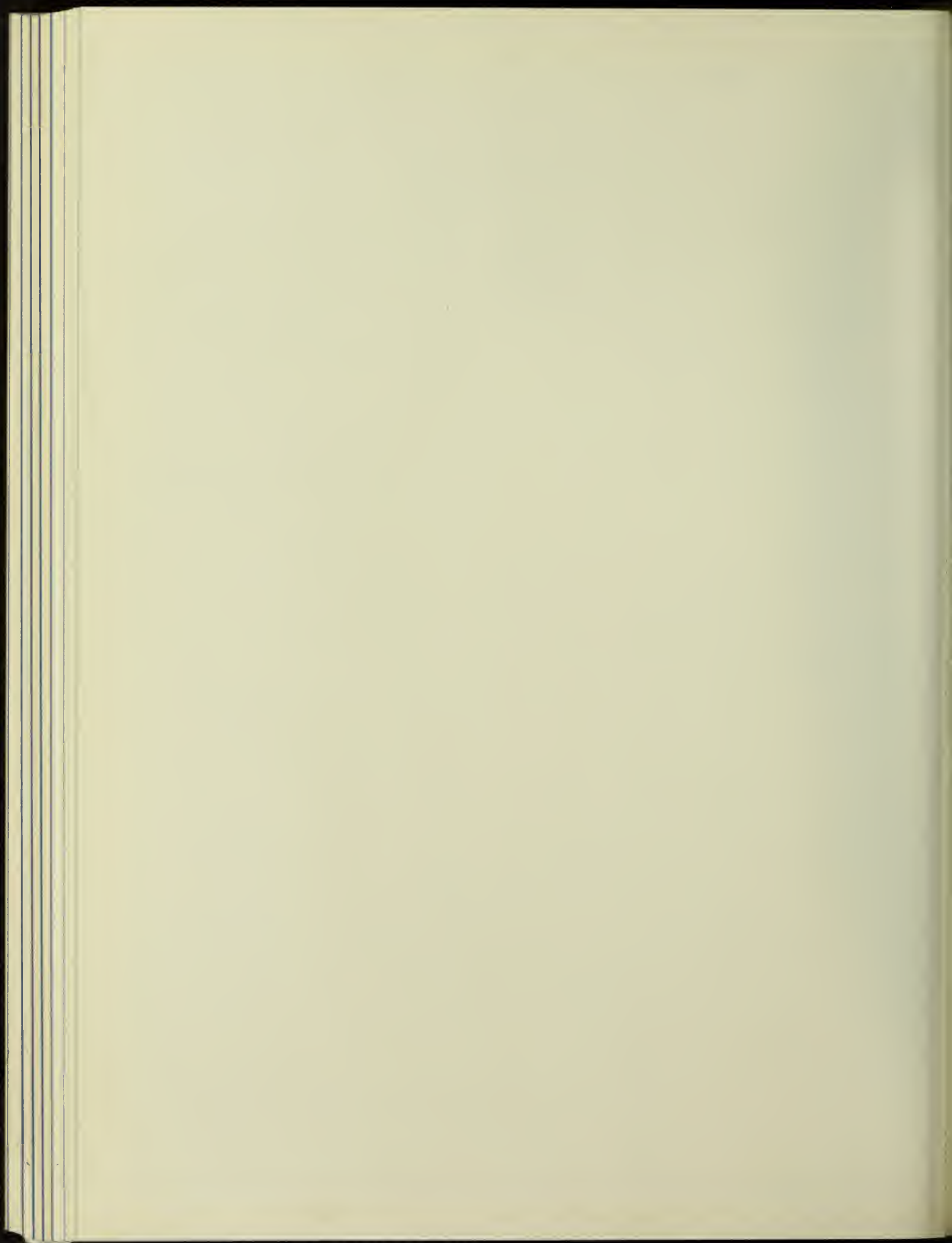


TABLE 4--(Continued)

TABLE 4--(Continued)																		
Sta. No.	Station Name and Location	Index	Present Owner	Elev.	Yrs. of Record	Mean Precipitation in Inches												Annual
						Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
TENNESSEE RIVER - PICKWICK TO FLORENCE (CONT'D)																		
44	FULTON	A-4	USWB	335	51	5.55	5.92	6.78	4.60	4.20	3.31	4.81	3.34	2.83	2.32	4.18	5.07	52.91
360	HALEYVILLE	B-4	USWB	910	23	6.61	6.21	6.27	4.86	3.67	4.59	5.43	3.90	3.41	2.38	4.37	5.41	57.11
45	WATERLOO	A-4	USWB	430	63	6.29	5.85	5.91	4.81	3.75	3.45	3.39	3.49	3.02	2.48	4.45	4.64	51.53
621	YOUNGS STORE, NEAR	B-4	TVA	790	15	7.11	6.50	6.18	4.92	4.21	3.77	5.01	4.13	2.99	3.00	4.89	5.14	57.85
TENNESSEE RIVER - FLORENCE TO GUNTERSVILLE																		
47	FLORENCE	B-4	USWB	598	62	5.67	6.07	5.57	4.61	3.34	3.21	4.38	3.05	2.78	2.17	4.00	4.61	49.46
504	MUSCLE SHOALS	B-4	USWB	534	76	5.94	5.73	5.47	4.45	3.39	3.25	4.43	3.14	2.84	2.43	3.70	4.56	49.33
471	WILSON DAM	B-4	TVA	530	26	5.98	6.22	5.55	4.77	3.30	3.23	4.48	3.11	2.82	2.28	4.17	4.74	50.65
369	IRON CITY	B-3	TVA	590	40	6.01	6.39	6.15	4.71	4.27	3.72	4.40	3.87	3.07	2.65	4.33	5.61	55.18
51	LORETO	B-3	TVA	840	32	6.43	6.34	6.11	4.75	4.06	3.22	4.95	3.47	3.02	2.69	4.85	5.05	54.94
50	ETHRIDGE	B-3	TVA	975	24	5.93	6.07	5.32	4.61	3.86	3.37	4.26	3.33	3.13	2.41	4.47	4.65	51.41
644	NEWBURG	B-4	TVA	660	16	6.20	5.49	5.09	5.15	3.88	3.83	4.84	4.29	3.50	1.98	4.69	4.51	53.45
52	WHEELER DAM	B-4	TVA	580	24	6.08	6.16	5.72	4.67	3.54	3.38	4.57	3.29	2.64	2.22	4.23	5.20	51.70
381	MOULTON R	B-4	TVA	660	21	5.50	5.85	5.38	3.99	3.37	3.75	3.97	3.78	2.70	1.74	3.96	4.27	48.26
53	CENTRAL TOWER	B-4	USFS	1500	25	5.68	5.79	5.89	4.55	3.67	3.42	4.69	3.29	2.98	2.29	4.10	4.90	51.25
62	ATHENS, ALABAMA	C-4	TVA	710	25	6.43	5.74	5.89	4.49	3.66	3.39	4.54	3.29	3.07	2.51	4.33	5.25	52.59
63	DECATUR	C-4	USWB	575	81	5.96	5.51	5.77	4.33	3.12	3.15	4.45	3.56	2.86	2.34	3.74	5.13	49.92
411	DECATUR NO. 2	C-4	TVA	588	21	5.86	5.50	5.31	4.35	3.24	3.14	4.34	3.13	3.09	2.22	4.20	4.59	48.97
503	DANVILLE	B-4	TVA	595	19	5.49	5.54	5.59	4.31	3.31	3.41	3.35	3.50	3.39	1.95	4.07	4.54	48.45
384	FALKEVILLE	C-4	TVA	620	21	5.46	6.11	5.55	3.88	3.17	3.65	4.57	3.52	3.26	2.16	4.00	4.34	49.67
513	GARDEN CITY	C-4	USWB	504	19	5.43	5.69	5.84	4.63	3.37	3.39	4.84	4.12	3.21	2.40	4.20	5.03	52.15
474	BELLE MINA, NEAR	C-4	API	600	30	5.56	5.42	5.70	4.19	3.35	3.35	4.61	3.25	3.19	2.27	4.22	4.87	49.98
64	MADISON	C-4	USWB	670	66	5.70	5.45	6.11	4.41	3.46	3.39	4.93	3.70	3.15	2.80	3.83	5.14	52.07
65	HUNTSVILLE SUBSTA.	C-4	TVA	615	41	5.37	5.42	5.28	4.29	3.51	3.56	4.49	2.90	3.14	2.49	4.02	4.57	49.04
66	CENTER GROVE	C-4	TVA	780	24	6.37	6.50	6.38	5.12	3.77	4.63	5.01	4.52	3.42	3.02	4.73	4.99	58.46
67	ST. BERNARD	C-4	USWB	802	53	6.06	5.86	6.21	4.34	3.50	3.64	4.92	4.17	2.64	3.18	4.05	5.44	54.01
576	FARLEY	C-4	TVA	572	18	5.62	5.93	5.65	4.55	3.84	3.23	3.50	2.70	3.80	2.05	4.35	4.65	49.87
530	MONT SANO NO. 6	C-4	TVA	1600	19	6.70	6.16	6.11	5.01	4.04	4.42	5.09	3.38	4.15	2.64	4.96	5.50	58.16
506	TONEY R	C-4	TVA	825	19	6.40	5.62	5.12	4.25	3.44	3.02	4.55	2.53	3.31	1.88	4.20	5.07	49.39
624	NEW MARKET R	C-4	TVA	760	17	6.46	5.72	5.51	4.57	3.96	3.58	4.91	2.77	3.78	2.03	4.77	5.10	53.16
585	ELORA	C-3	TVA	920	18	5.96	5.73	5.09	4.48	3.69	4.10	4.13	3.54	3.47	2.22	4.52	5.37	52.30
69	PAINT ROCK R	C-4	TVA	605	24	6.05	6.13	5.90	4.79	3.40	3.88	4.56	3.98	3.40	2.47	4.41	5.04	54.01
385	SWAIM	C-4	TVA	665	21	6.36	6.79	6.02	4.87	4.40	4.20	5.05	3.63	3.46	2.34	4.63	5.45	57.20
78	HYTOP	C-4	TVA	1615	25	6.44	6.56	6.45	5.30	4.28	3.88	5.78	3.35	3.51	2.96	5.04	5.63	59.18
ELK RIVER																		
54	BETHEL	B-3	TVA	650	25	6.28	6.19	5.82	4.73	4.16	3.15	5.04	3.50	3.78	2.70	4.60	5.11	55.06
382	PULASKI	B-3	TVA	760	21	6.05	6.57	5.59	4.29	3.79	3.18	3.99	3.86	3.62	2.42	4.68	5.10	53.14
56	LYNNVILLE, NEAR	B-3	USWB	744	71	6.36	6.28	5.89	4.96	4.19	3.56	4.59	3.81	3.19	2.55	4.95	4.86	55.19
57	COLDWATER	C-3	USWB	626	64	6.27	5.87	6.43	4.23	4.26	3.15	4.53	3.66	3.25	2.82	3.94	5.33	53.74
581	BOONSHILL	C-3	TVA	680	18	6.68	6.19	5.56	4.24	3.94	3.36	4.09	3.79	4.00	2.24	4.41	5.55	54.05
58	FAYETTEVILLE	C-3	USWB	695	44	5.70	5.51	5.74	4.04	3.99	3.13	5.12	3.79	3.10	2.61	3.98	5.18	51.89
605	BELLEVILLE	C-3	TVA	755	18	6.69	6.33	5.39	4.55	4.34	3.63	5.64	2.81	4.06	2.23	3.97	4.66	54.30
383	PETERSBURG	C-3	TVA	826	21	6.68	6.56	5.29	4.39	4.31	3.74	5.40	3.75	3.61	2.29	4.51	5.27	55.80
582	LYNCHBURG	C-3	TVA	780	18	6.64	6.01	5.59	4.27	4.11	3.65	4.48	3.27	4.59	2.28	4.69	5.73	55.31
60	BELVIDERE R	C-3	TVA	970	24	5.71	5.21	5.08	4.31	3.54	3.99	4.84	3.64	3.46	2.32	4.11	4.56	50.77
61	TULLAHOMA	C-3	USWB	1065	73	6.19	5.85	6.06	4.39	3.62	3.79	5.12	3.54	3.12	2.56	3.85	5.39	53.48
450	WINCHESTER SUBSTA.	C-3	TVA	960	20	6.11	5.60	5.02	4.38	4.15	4.24	5.39	3.50	3.80	2.48	4.14	5.02	53.83
472	MONTEAGLE	D-3	USWB	1920	20	6.95	6.46	6.60	5.27	4.27	4.33	5.38	4.25	3.61	2.86	4.54	6.37	60.89
TENNESSEE RIVER - GUNTERSVILLE TO CHICKAMAUGA																		
70	GUNTERSVILLE DAM	C-4	TVA	611	24	5.44	5.70	5.83	4.57	3.23	3.46	4.07	3.69	2.85	2.37	3.92	4.44	49.57
403	GUNTERSVILLE R	C-4	TVA	610	21	5.73	5.71	5.95	4.61	3.32	3.54	3.94	3.66	2.86	2.39	3.89	4.57	50.17
71	GUNTERSVILLE	C-4	USWB	618	49	5.83	5.74	6.01	4.74	3.44	3.66	4.06	3.64	2.95	2.44	3.95	4.81	51.27
72	ALBERTVILLE	C-4	USWB	1060	34	5.84	5.61	6.42	4.41	3.62	4.01	4.91	4.16	2.65	2.86	3.90	5.41	53.80
482A	BOAZ	C-4	USWB	1010	22	5.36	5.73	6.15	4.50	3.88	4.20	4.06	3.98	3.44	2.06	4.21	4.85	52.42
524	SAND MT. STATE FARM	D-4	API	1195	19	5.74	5.84	6.51	4.82	3.66	4.07	3.96	3.95	3.71	2.48	4.14	5.43	54.31
483	COLLINSVILLE	D-4	USWB	755	22	5.67	5.99	6.17	4.58	3.74	4.01	4.41	3.91	3.53	2.38	4.25	4.85	53.49
515	LEESBURG	D-4	USWB	636	67	6.11	5.99	6.39	5.22	3.54	3.70	4.96	3.66	3.12	2.41	4.13	5.06	54.29
75	SOUTH HILL	C-4	TVA	1120	24	6.06	5.80	6.20	5.05	4.14	3.75	4.51	3.79	3.14	2.64	3.99	5.08	54.15
79A	FT. PAYNE	D-4	USWB	920	24	5.82	5.77	6.00	4.92	3.64	3.80	4.30	3.62	3.17	2.36	3.90	4.66	51.96
80	VALLEY HEAD	D-4	USWB	1010	73	5.70	5.39	5.97	4.67	3.70	3.87	4.55	3.99	2.66	2.93	3.64	5.00	52.07
386	SYLVANIA	D-4	TVA	1400	21	5.69	6.42	5.84	4.59	3.89	4.29	4.23	3.13	3.43	2.14	4.29	5.03	52.97
76	SCOTTSBORO	C-4	USWB	680	78	6.11	5.98	6.40	4.72	3.55	4.12	5.75	3.84	2.83	3.12	3.84	5.60	55.86
387	FLAT ROCK R	D-4	TVA	1400	21	5.24	5.80	5.52	4.18	3.75	3.30	3.85	3.23	2.91	2.05	4.02	4.53	48.38
83	BRIDGEPORT	D-4	USWB	690	63	5.89	5.51	6.03	4.24	3.66	3.54	5.34	3.28	3.02	2.69	3.66	5.25	52.11
84	SEWANEE	D-3	TVA	1925	66	6.55	6.25	6.05	5.42	4.13	4.28	5.52	3.80	3.47	2.85	4.85	5.42	58.59
85	LOCKHART TOWER	D-3																

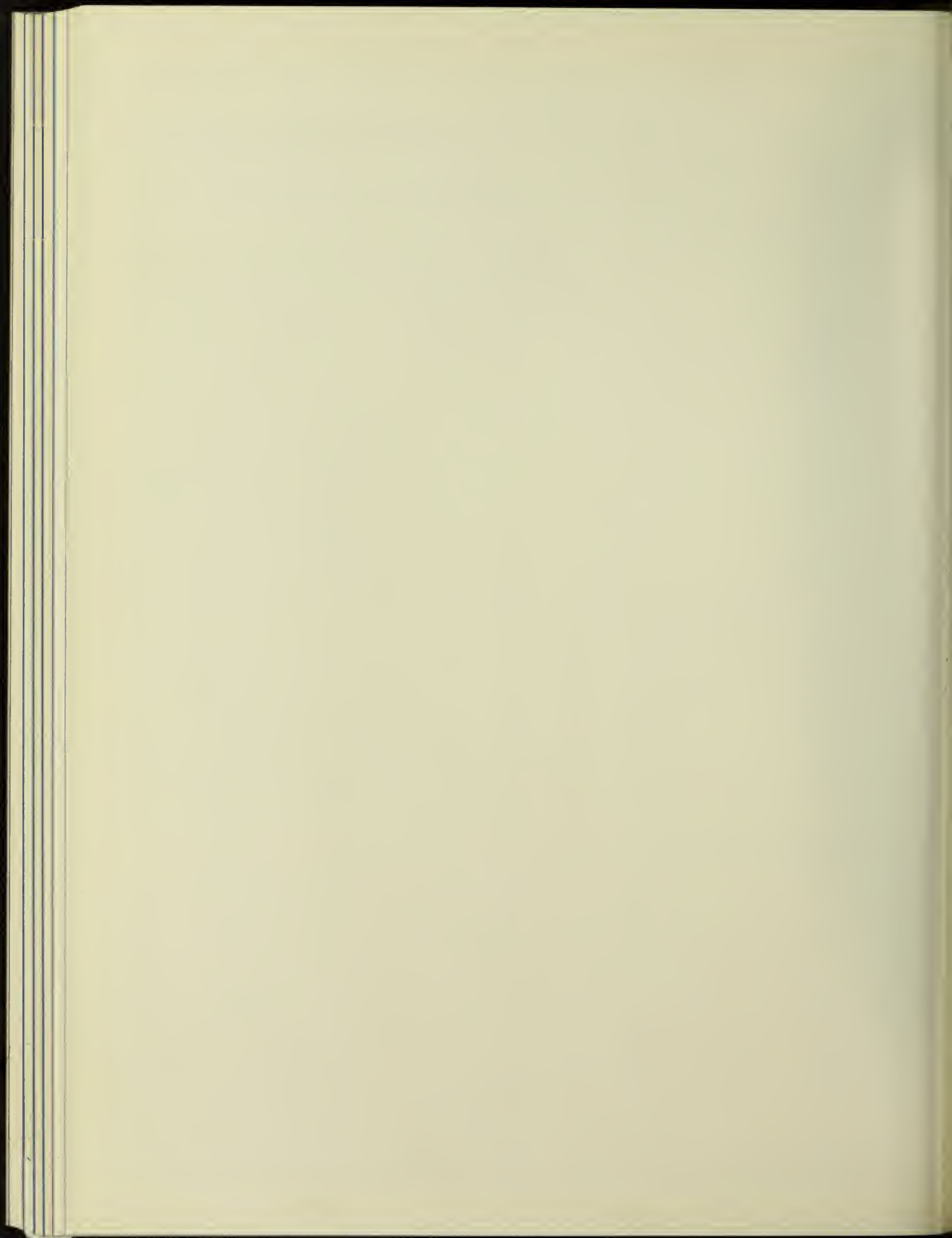


TABLE 4--(Continued)

Sta No.	Station Name and Location	Index	Present Owner	Elev.	Yrs. of Record	Mean Precipitation in Inches												Annual
						Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
TENNESSEE RIVER - GUNTERSVILLE TO CHICKAMAUGA (CONT'D)																		
566	CHICKAMAUGA PARK	D-4	USDI	765	19	5.74	5.64	5.55	4.41	3.67	3.92	4.87	3.42	3.98	2.94	3.98	4.89	53.01
82	LAFAYETTE	D-4	USWB	810	25	5.77	5.76	5.94	4.88	3.69	4.18	4.69	4.32	3.50	2.76	4.03	4.76	54.28
392	TUNNEL HILL	D-4	TVA	880	21	5.25	5.89	5.52	4.22	3.99	4.10	4.43	4.06	3.72	2.63	3.88	4.65	52.34
396	DALTON	E-4	USWB	800	22	5.79	5.96	5.81	5.00	4.08	3.93	4.65	3.97	3.30	2.67	4.15	4.74	54.05
CANEY FORK ABOVE ROCK ISLAND																		
88	ROCK ISLAND POWERHOUSE	D-3	TVA	900	55	6.06	5.73	5.34	4.09	4.07	3.89	4.73	3.59	3.44	2.42	4.17	5.08	52.61
439	DIRELL	D-3	TVA	950	20	5.97	5.56	5.30	3.94	3.93	4.41	4.53	3.77	3.51	2.08	4.15	4.80	51.95
440	IRVING COLLEGE	D-3	TVA	1050	20	5.10	5.12	4.68	3.69	3.27	3.76	4.41	3.58	3.17	2.00	3.60	4.49	46.87
441	ALTAMONT	D-3	TVA	1920	20	6.58	6.32	5.94	5.07	4.27	4.33	4.24	3.69	3.44	2.19	4.46	5.56	56.09
87	MCMINNVILLE	D-3	USWB	1015	77	5.74	5.65	5.62	3.77	3.83	4.24	4.36	4.15	3.22	2.49	3.50	5.04	51.61
87B	MCMINNVILLE	D-3	TVA	1000	18	6.27	5.84	4.88	3.77	4.06	4.20	5.00	3.87	4.18	1.94	3.90	4.98	52.89
442	TROUSDALE	D-3	TVA	980	20	5.97	5.88	5.12	3.83	3.62	3.68	3.91	4.01	3.47	2.08	3.99	4.88	50.44
443	SUMMITVILLE R	D-3	TVA	1120	20	6.17	6.02	5.31	3.93	3.83	3.74	4.21	3.58	3.42	2.20	4.10	5.09	51.60
437	ROCKY RIVER	D-3	TVA	900	20	5.70	5.63	5.17	4.14	3.74	4.66	4.92	4.51	3.65	2.32	3.96	4.91	53.31
432	SPARTA SUBSTA.	D-3	TVA	920	43	6.22	5.57	5.42	4.41	4.13	4.13	4.46	4.14	3.47	2.28	4.10	5.02	53.35
432A	SPARTA, NEAR	D-3	USWB	900	20	6.26	5.60	5.15	4.33	3.87	4.18	4.53	3.45	3.95	2.21	4.10	4.72	52.35
433	TAYLORS	D-2	TVA	950	20	6.13	5.46	5.36	4.10	3.76	4.16	4.70	3.46	3.74	2.27	4.27	5.18	52.59
165	MONTEREY	D-2	USWB	1900	28	7.01	6.07	5.92	4.98	4.15	4.84	4.88	4.82	3.53	2.86	4.78	5.50	59.34
434	EASTLAND	D-3	TVA	1750	40	5.21	5.35	5.30	4.67	3.86	4.86	4.60	4.25	3.45	2.75	4.11	5.50	55.56
435	HERBERT	D-3	TVA	1685	20	5.45	5.35	4.81	4.32	3.48	3.91	4.61	3.63	3.03	2.13	3.68	4.85	49.25
436	FALLS CREEK PARK	D-3	TVA	1500	20	5.38	5.61	5.03	4.28	3.71	4.03	5.49	4.09	3.33	2.32	3.95	5.14	52.36
TENNESSEE RIVER - CHICKAMAUGA TO WATTS BAR																		
90	CHICKAMAUGA DAM	D-3	TVA	700	24	6.20	5.70	5.58	4.67	3.85	3.93	4.65	3.52	3.25	2.92	4.26	5.27	53.80
430	COLEMAN R	D-3	TVA	765	20	5.73	5.53	5.48	4.16	3.56	3.83	4.68	3.90	3.24	2.72	3.75	4.82	51.40
393	LEWIS CHAPEL	D-3	TVA	1850	21	6.43	6.13	6.30	4.80	4.02	4.34	4.82	3.91	3.47	2.68	4.64	5.84	57.38
420	MORGANTOWN	D-3	TVA	740	20	5.88	5.67	5.96	4.75	3.74	4.26	5.25	3.97	3.45	2.66	4.25	5.54	55.38
422	MORGAN SPRINGS	D-3	TVA	1900	25	6.64	6.04	6.05	5.16	4.09	4.50	5.54	4.61	3.29	3.33	4.71	5.56	59.56
427	RIDDLES STORE	E-3	TVA	1020	20	5.73	5.68	5.57	4.22	3.75	3.51	5.36	3.94	3.50	2.79	3.97	4.92	52.94
TENNESSEE RIVER - WATTS BAR TO KNOXVILLE																		
421	WATTS BAR DAM	E-3	TVA	830	20	5.84	5.61	5.62	4.60	3.80	3.90	4.97	3.12	3.66	2.70	4.10	5.31	53.23
157	RODDY R	E-3	TVA	765	24	5.87	5.67	5.25	4.58	3.62	3.28	5.01	3.13	3.02	2.64	4.13	5.58	51.78
479	ROCKWOOD	E-3	PRIVATE	910	41	6.06	5.67	5.50	4.54	4.08	3.61	5.44	3.16	3.28	2.62	4.29	5.64	53.89
170	LOUDON	E-3	USWB	800	65	5.57	5.54	5.84	3.78	3.42	3.26	5.35	3.57	2.74	2.61	3.56	4.80	48.04
490	FORT LOUDON DAM R	E-3	TVA	880	19	5.79	5.59	5.08	4.01	3.72	2.85	5.25	2.56	3.29	2.54	3.84	4.79	49.31
490A	FORT LOUDON DAM	E-3	TVA	880	19	5.79	5.59	5.08	4.01	3.72	2.85	5.25	2.56	3.29	2.54	3.84	4.79	49.31
637	U. S. COTTON FIELD STA.	F-3	USDA	885	25	5.37	5.13	5.08	4.00	3.63	3.65	5.03	3.40	2.81	2.44	3.78	4.33	48.35
409	KNOXVILLE AIRPORT R	F-3	USWB	984	21	4.54	4.73	4.83	3.64	3.58	3.47	4.72	3.43	2.53	2.63	3.15	4.26	45.51
374	FRONTIER	F-3	TVA	1100	21	5.07	5.17	5.03	3.87	3.46	3.54	4.47	3.30	2.67	2.30	3.70	4.05	46.51
473A	UNIV. TENN. FARM LYSIMETER PLOT	F-3	UT	850	40	5.19	5.29	5.08	4.09	3.83	3.75	5.97	3.32	2.83	2.31	3.80	4.44	49.90
651	UNIV. TENN. GEOLOGY BLDG.	F-3	UT	974	89	5.21	5.03	4.84	3.99	3.69	3.62	5.50	3.27	2.73	2.30	3.70	4.15	48.03
655	RITTA	F-2	TVA	1030	15	6.03	5.40	5.07	3.96	4.10	3.61	4.22	2.97	3.02	2.43	4.60	4.84	50.25
CLINCH RIVER BELOW NORRIS DAM																		
158	KINGSTON	E-3	USWB	760	68	5.35	5.28	5.39	3.91	3.64	3.53	4.46	4.10	2.55	2.40	3.64	4.85	49.10
484	HARRISMAN R	E-3	TVA	765	38	5.72	5.34	5.35	4.16	4.18	4.00	4.91	3.35	3.00	2.51	4.14	5.25	51.91
167	PETROS	E-2	TVA	1400	25	6.74	6.09	5.86	4.71	4.46	4.45	5.31	4.59	3.58	3.06	4.88	6.12	59.85
160	PILOT MOUNTAIN	E-2	TVA	1280	24	5.57	5.18	4.91	3.99	4.30	3.70	4.75	4.47	3.06	2.51	3.70	4.72	50.86
164	CLARKSVILLE	D-2	TVA	1800	24	5.80	5.05	5.09	4.20	3.71	3.78	4.71	3.93	2.97	2.38	3.99	4.65	50.26
159	HEBBERTSBURG	E-2	TVA	1770	25	5.69	5.61	5.20	4.45	3.87	3.81	5.39	3.97	3.20	2.78	4.28	5.14	53.39
163	CROSSVILLE, NEAR	D-2	USWB	1920	48	5.97	5.61	5.63	4.23	3.90	3.95	4.53	4.55	3.18	2.70	3.82	5.46	53.53
507	LANTANA R	D-3	TVA	1910	19	5.83	5.33	5.01	4.03	3.63	3.69	4.14	3.14	3.16	2.21	3.84	5.42	49.43
418	FRANKFORT	E-2	TVA	1460	20	5.86	5.07	4.85	3.57	3.57	3.44	4.41	4.12	2.94	2.61	4.00	4.82	49.26
166	CONCORD, NEAR	E-3	TVA	1000	25	5.02	4.98	4.75	3.87	3.31	2.94	4.63	2.70	2.82	2.27	3.77	4.33	45.39
508	PAULETTE	F-2	TVA	1050	19	5.20	5.08	4.94	3.89	3.83	3.74	3.97	3.17	3.08	2.27	3.88	4.36	47.41
169	CLINTON TVA NURSERY	E-2	TVA	850	71	5.82	5.57	5.41	4.38	4.21	3.56	5.12	3.41	3.43	2.66	4.40	5.16	53.13
371	VASPER	E-2	TVA	1020	22	5.53	5.30	5.22	3.98	3.70	3.69	4.65	3.38	3.15	2.21	4.32	5.09	50.22
321	NORRIS R	E-2	TVA	970	15	5.55	5.06	5.08	3.75	3.31	3.70	4.30	3.23	2.50	2.33	3.50	4.78	46.99
323	NORRIS DAM	E-2	TVA	875	26	5.51	5.15	5.31	3.82	4.01	3.53	4.13	3.69	3.13	2.36	4.03	4.77	49.44
CLINCH RIVER ABOVE NORRIS DAM																		
584	TURLEY	E-2	TVA	1410	18	5.58	5.05	4.91	3.57	4.76	4.92	4.52	4.34	3.21	2.45	3.93	4.54	51.78
325	LAFOLLETTE	E-2	TVA	1250	26	5.37	4.76	5.00	3.85	3.98	4.16	4.88	4.37	2.75	2.44	3.92	4.61	50.09
423	WESTBOURNE SUBSTA.	E-2	TVA	1340	20	5.33	4.80	5.21	3.92	4.45	4.31	5.25	3.99	2.77	2.66	3.83	4.74	51.26
326	WELL SPRING	F-2	TVA	1040	22	4.80	4.75	4.88	3.54	4.03	3.81	4.51	3.50	2.65	2.29	3.62	4.26	46.64
333	ARTHUR	F-2	TVA	1070	24	5.62	5.12	5.41	3.90	3.74	4.09	5.00	4.16	2.84	2.47	3.83	4.61	50.79
334	MIDDLESBORO	F-2	USWB	1128	68	5.48	4.78	5.44	4.07	3.92	4.33	4.12	3.92	2.38	2.29	3.59	4.65	48.97
338	ROSE HILL	F-2	TVA	1475	26	5.54	4.81	5.24	3.97	3.95	4.48	5.20	4.05	2.82	2.40	3.66	4.34	50.46
487	BAXTER, NEAR R	F-2	USWB	1175	20	5.05	4.34	4.69	4.07	3.88	4.25	4.96	4.34	2.83	2.30	3.33	4.06	48.10
339	JONESVILLE NO. 2	F-2	TVA	1375	25	5.14	4.85	5.14	3.97	3.83	4.23	5.34	4.23	2.55	2.25	3.48	4.10	49.11
340	PENNINGTON GAP	F-2	USWB	1386	28	5.37	4.68	5.58	3.74	3.87	4.17	5.55	4.17	2.63	2.39	3.31	4.32	49.78
341	OLINGER	G-2	TVA	1400	25	5.21	4.66	5.09	3.78	4.21	4.36	5.39	4.31	2.80	2			



TABLE 4--(Continued)

Sta. No.	Station Name and Location	Index	Present Owner	Elev.	Yrs. of Record	Mean Precipitation in Inches												Annual
						Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
CLINCH RIVER ABOVE NORRIS DAM (CONT'D)																		
342	DUNBAR, VIRGINIA	G-2	TVA	1950	25	4.95	4.48	5.03	4.04	4.28	4.72	5.91	4.70	2.98	2.51	3.47	3.79	50.86
327	WHITE HOLLOW R	F-2	TVA	1500	25	5.11	4.83	4.61	3.43	3.69	3.36	4.16	2.94	2.49	2.27	3.62	4.34	44.85
563	WALKERS FORD	F-2	TVA	1080	19	5.03	4.85	4.88	3.53	3.96	3.52	4.19	2.91	2.58	2.25	3.83	4.14	45.67
335	TAZEWELL, NEAR, TENNESSEE	F-2	TVA	1330	54	4.99	4.96	4.97	3.70	3.86	3.66	4.60	3.46	2.62	2.20	3.63	4.27	46.92
336	BIG SYCAMORE R	F-2	TVA	2300	25	4.62	4.30	4.54	3.43	3.51	3.47	4.53	3.71	2.31	1.98	3.02	3.78	43.20
348	CLINCHPORT	G-2	TVA	1260	64	4.90	4.46	4.83	3.82	3.66	4.06	4.93	4.07	2.72	2.28	3.28	3.87	46.88
349	DUNANNON	G-2	TVA	2500	25	4.47	4.08	4.62	3.43	3.88	3.87	5.72	3.94	2.84	2.18	2.87	3.42	45.32
351	CLEVELAND, VIRGINIA	G-2	TVA	1540	26	3.88	3.73	4.30	3.38	4.06	4.52	5.28	4.97	3.06	2.31	2.89	3.22	45.60
352	HONAKER, NEAR	G-1	TVA	2200	25	3.85	3.68	4.36	3.46	4.15	4.58	5.34	4.65	3.32	2.70	2.97	3.03	46.00
614	HONAKER R	H-1	TVA	1940	18	3.69	3.60	3.98	2.99	3.78	3.82	4.88	4.08	3.03	2.37	2.60	2.95	41.77
353	SWORDS CREEK	H-1	TVA	1900	25	3.92	3.69	4.27	3.49	4.41	4.07	5.44	4.39	3.15	2.39	2.71	2.92	44.85
356	JEWELL RIDGE	H-1	TVA	2750	25	3.89	3.64	4.27	3.33	3.97	4.37	4.92	4.48	2.86	2.56	2.86	2.97	44.12
357	TAZEWELL, VIRGINIA	H-1	TVA	2450	25	3.83	3.45	4.36	3.26	3.96	4.30	4.61	3.97	3.05	2.40	2.58	3.05	42.82
HOLSTON RIVER																		
395	STRAWBERRY PLAINS	F-2	TVA	870	21	4.61	5.13	4.44	3.46	3.63	3.36	4.58	2.71	3.05	2.09	3.71	4.05	44.82
289	JOPPA	F-2	TVA	975	25	5.18	4.90	5.01	4.07	3.61	3.20	4.21	3.58	2.50	2.24	3.60	4.00	46.10
439	CHEROKEE DAM	F-2	TVA	1000	19	4.68	4.95	4.53	3.31	3.75	3.14	4.42	3.36	2.77	2.16	3.64	4.03	44.74
579	JEFFERSON CITY EVAP. STA.	F-2	TVA	1200	18	4.69	4.92	4.48	3.27	3.93	3.07	4.51	3.62	3.06	2.04	3.66	4.13	45.38
290	MORRISTOWN, NEAR	F-2	TVA	1325	25	4.96	5.01	4.95	3.83	3.55	3.53	4.93	4.00	3.04	2.25	3.86	4.10	48.01
346	FLAT GAP	F-2	TVA	2000	24	5.04	4.74	4.92	3.85	3.70	3.48	4.82	3.65	2.69	2.31	3.50	4.15	46.85
291	ROGERSVILLE	G-2	USWB	1375	75	4.47	4.24	4.65	3.28	3.50	3.10	4.78	3.48	2.60	2.17	3.01	3.63	42.91
347	LITTLE WAR GAP	F-2	TVA	1980	25	4.77	4.36	4.90	3.98	3.49	3.40	5.42	3.73	2.71	2.21	3.38	3.90	46.25
516	STANLEY KNOBS R	G-2	TVA	1330	19	4.13	4.05	4.47	3.30	3.56	3.52	4.58	3.42	2.36	1.84	3.07	3.66	41.96
314	BIG KNOB R	G-2	TVA	3150	25	4.11	3.84	4.16	3.17	3.42	2.86	4.49	3.58	2.63	2.02	2.85	3.36	40.49
315	MENDOTA	G-2	TVA	1350	55	4.48	4.06	4.57	3.66	3.88	3.82	5.19	4.37	2.85	2.39	3.03	3.46	45.76
316	HOLSTON	G-2	TVA	2550	25	3.84	3.83	4.17	3.17	3.71	3.74	4.65	3.44	2.50	2.42	2.68	3.18	41.33
318	SALTVILLE	H-2	USWB	1720	38	3.86	3.50	4.38	2.97	4.23	3.83	4.86	4.33	2.74	2.28	2.51	3.16	42.65
318A	SALTVILLE	H-2	TVA	1725	19	3.90	3.44	4.15	2.89	4.36	3.71	4.22	4.40	3.06	1.89	2.62	3.27	41.91
320	BURKES GARDEN	H-1	USWB	3075	64	3.93	3.50	4.48	3.31	4.05	4.13	4.96	4.35	3.03	2.31	2.96	3.37	44.38
293	KINGSFORD	G-2	USWB	1270	38	4.03	3.80	4.56	3.31	3.40	3.36	5.05	3.98	2.64	2.19	2.69	3.33	42.34
376	BRISTOL AIRPORT, TENN. R	G-2	USWB	1545	22	3.50	3.41	3.77	3.25	3.44	3.67	5.14	3.89	2.79	2.39	2.56	3.43	41.24
495	BRISTOL	G-2	USWB	1800	27	4.78	4.24	4.83	3.91	4.73	3.94	5.12	4.04	3.14	2.36	3.66	4.15	48.90
307	WALLACE, NEAR	G-2	TVA	1885	24	4.25	3.64	4.06	3.04	3.81	3.64	4.57	3.95	2.84	2.08	2.75	3.10	41.73
306	BLUFF CITY	G-2	TVA	1540	63	4.28	3.88	4.30	3.44	3.95	3.91	5.63	3.97	2.88	2.22	2.98	3.54	44.98
308	CRANDULL	H-2	TVA	2905	25	4.80	4.28	4.66	4.14	4.92	4.32	5.81	4.74	3.41	2.68	3.36	3.83	50.95
604	ABINGDON R	H-2	TVA	2000	18	4.20	3.88	4.30	3.16	4.18	3.42	5.43	4.34	2.88	1.88	2.96	3.39	44.02
312	MARION	H-2	TVA	2200	53	3.59	3.13	3.79	3.05	4.01	3.87	4.78	4.19	2.80	2.19	2.58	2.67	40.65
613	GROSCLOSE	H-2	TVA	2570	17	3.60	3.21	3.71	3.25	4.17	3.17	4.98	4.17	3.22	2.06	2.70	2.82	41.06
313	WYTHEVILLE	H-2	USWB	2400	84	2.82	2.45	3.39	2.71	3.62	3.20	4.25	4.12	2.64	2.06	2.27	2.59	36.12
309	DAMASCUS	H-2	USWB	1950	33	3.89	3.70	4.38	3.26	4.29	4.26	6.06	4.40	2.79	2.18	2.75	3.19	45.15
310	LOVES MILL	H-2	TVA	2060	25	3.91	3.41	3.93	3.33	4.66	3.84	5.13	4.20	2.81	2.24	2.71	2.95	43.12
311	TROUT DALE	H-2	USWB	3110	25	4.20	3.96	4.91	4.27	4.69	4.28	5.63	4.63	3.60	2.75	3.25	3.60	49.77
294	CEDAR CREEK	G-2	TVA	1750	25	4.02	3.94	4.33	3.28	3.58	3.50	5.22	3.46	2.80	2.19	2.98	3.42	42.72
416	JOHNSON CITY VETERANS HOSPITAL	G-2	TVA	1730	42	3.97	4.10	4.39	3.37	3.98	3.81	5.52	4.04	2.62	2.06	2.94	3.61	44.41
295	ELIZABETHTON NO. 2	G-2	TVA	1512	68	3.69	3.68	4.15	3.27	3.72	3.84	5.40	4.06	2.79	2.12	2.73	3.17	42.62
225	STONE MOUNTAIN	G-2	TVA	2590	25	4.46	4.49	4.80	3.95	3.87	4.43	6.54	4.35	3.32	2.29	3.16	3.44	49.11
297	COLESVILLE	G-2	TVA	2130	25	4.14	4.05	4.22	3.33	3.91	3.93	5.33	4.35	3.22	2.25	3.16	3.45	45.34
491	BUTLER R	G-2	TVA	2070	19	4.25	3.92	4.38	3.54	4.07	4.45	5.77	3.61	3.11	1.90	2.97	3.50	45.47
301A	MOUNTAIN CITY	H-2	USWB	2437	51	3.76	3.62	4.08	3.80	3.96	4.28	5.32	4.33	2.98	2.09	2.62	3.06	43.88
304	PARKER	H-2	USWB	3950	42	4.00	4.01	4.94	3.92	4.98	4.44	6.03	5.51	3.55	2.55	3.02	3.40	50.35
305	JEFFERSON	H-2	USWB	2900	54	3.51	3.26	4.26	3.52	4.19	3.73	5.68	6.30	3.47	3.17	3.30	3.47	47.86
298	ODOMVILLE	G-2	TVA	2760	25	4.19	3.84	4.20	3.74	4.23	4.15	6.04	4.14	3.17	2.31	2.85	3.10	45.96
299	BANNER ELK	H-2	USWB	3710	52	4.04	3.88	4.73	4.07	4.18	4.68	6.21	5.53	3.55	3.29	3.52	3.82	51.50
300	REESE	H-2	TVA	3320	25	3.96	3.82	4.38	3.79	4.25	3.89	5.99	4.46	3.36	2.78	3.03	3.09	46.80
607	MAST	H-2	TVA	2675	17	3.41	3.11	3.88	3.68	3.71	3.59	4.06	3.59	3.30	2.18	2.96	3.10	40.57
303	BOONE	H-2	USWB	3225	31	4.09	3.76	5.19	4.28	4.43	4.52	6.43	5.68	4.07	3.83	4.14	4.07	54.49
HIWASSEE RIVER BELOW HIWASSEE DAM																		
93	BIG SPRING	E-3	TVA	720	25	6.16	5.49	5.62	4.55	3.85	3.68	5.00	3.93	3.46	2.86	4.09	5.08	53.77
429	CLEVELAND SUBSTA.	E-3	TVA	850	20	5.69	5.47	5.70	4.09	3.69	3.83	4.00	3.63	3.49	2.83	4.18	4.89	51.49
98	CHARLESTON	E-3	TVA	720	67	5.85	5.44	5.50	4.47	3.54	3.77	4.57	4.10	2.96	2.70	4.16	4.87	51.93
428	ATHENS SUBSTA.	E-3	TVA	940	20	6.04	5.62	5.91	4.28	4.22	3.95	4.88	3.97	3.64	2.90	4.19	5.03	54.63
C17	NEW BETHEL R	E-3	TVA	900	15	6.05	4.95	5.03	3.69	3.73	4.18	4.17	3.96	3.75	2.35	4.22	4.11	50.19
C19	DOUBLE SPRINGS R	E-3	TVA	820	16	5.84	5.09	5.23	3.67	3.79	3.80	4.35	3.62	3.90	2.44	4.32	4.37	50.42
C11	ENGLEWOOD	E-3	TVA	820	16	5.80	5.24	5.24	4.04	4.05	3.49	4.77	3.42	3.91	2.40	4.2		

TABLE 4--(Continued)

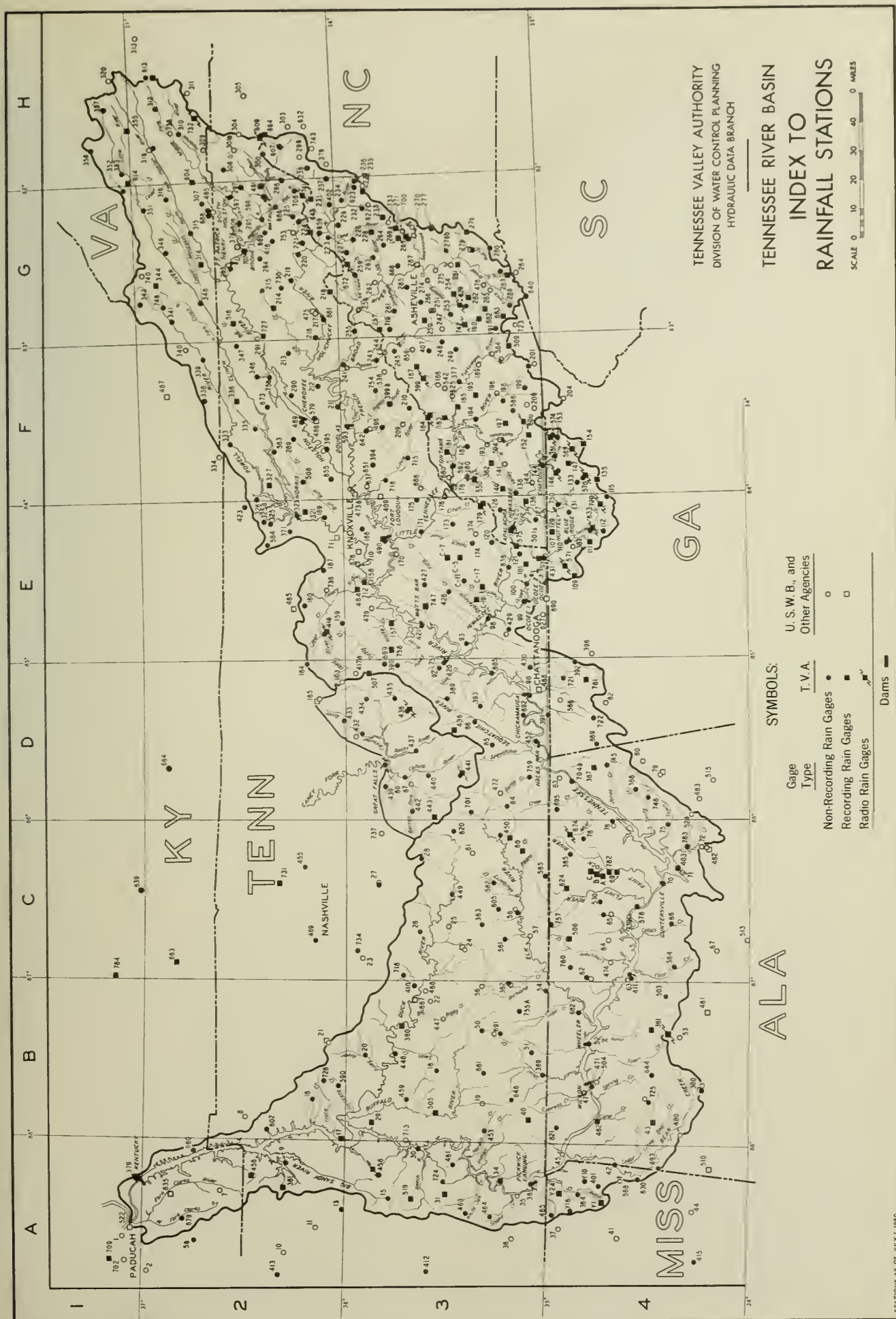
Sta. No.	Station Name and Location	Index	Preent Owner	Elev.	Yrs. of Record	Mean Precipitation in Inches												Annual
						Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
HIWASSEE RIVER BELOW HIWASSEE DAM (CONT'D)																		
431	COPPERHILL NO. 2 SUBSTA.	E-3	TVA	1600	24	5.81	5.67	6.13	4.81	3.66	4.08	5.97	4.51	3.25	2.92	3.96	4.89	55.66
109	FLAT TOP R	E-4	TVA	3650	25	9.93	9.02	8.88	7.30	5.28	6.10	8.27	5.56	4.99	4.47	6.73	8.37	84.90
110	BLUE RIDGE DAM	E-4	TVA	1560	39	5.82	5.94	6.14	5.07	3.63	4.17	5.66	4.18	3.24	2.60	3.78	5.03	55.26
367	BLUE RIDGE	E-4	USWB	1760	17	5.31	5.18	6.44	6.22	4.69	4.62	6.30	4.56	3.77	2.55	4.15	5.61	59.40
111	STANLEY GAP R	E-4	TVA	2300	25	6.56	6.51	6.56	5.51	4.09	4.02	5.42	4.37	3.42	3.07	4.44	5.96	59.93
112	NOONTOOTLA CREEK	E-4	TVA	1960	25	6.24	6.87	6.81	5.45	4.46	4.38	6.16	4.86	3.65	3.21	4.13	5.58	61.80
115	SUCHES	E-4	TVA	2800	25	7.73	7.56	8.11	6.89	5.50	4.99	7.26	6.38	4.53	4.62	5.56	7.25	76.38
120	COKE CREEK	E-3	TVA	1650	25	6.05	5.83	6.16	4.75	4.18	4.51	5.42	4.12	2.80	2.78	4.34	4.90	55.84
638	APALACHIA POWERHOUSE	E-3	TVA	880	16	5.77	5.61	5.16	4.24	4.27	4.05	5.44	3.87	3.62	2.54	4.30	4.35	53.22
575	FARNER R	E-3	TVA	1600	18	5.76	5.76	5.86	4.28	4.08	4.71	5.40	3.54	3.65	2.71	3.89	4.88	54.52
121	TURTLETOWN	E-3	TVA	1600	25	6.12	6.21	6.26	5.14	3.95	4.55	5.27	4.17	3.38	2.97	4.16	5.05	57.23
HIWASSEE RIVER ABOVE HIWASSEE DAM																		
125	HIWASSEE DAM R	E-3	TVA	1493	22	5.48	5.69	6.00	4.45	3.78	4.41	5.32	3.73	2.98	2.74	3.94	4.74	53.26
125A	HIWASSEE DAM NO. 2	E-3	TVA	1310	20	5.48	5.69	6.00	4.45	3.78	4.41	5.32	3.73	2.98	2.74	3.94	4.74	53.26
126	BEAVERDAM CREEK	E-3	TVA	1880	25	7.25	6.82	7.17	5.58	4.71	5.35	7.18	5.43	3.66	3.44	4.91	6.18	67.68
127	LETITIA	E-3	TVA	1805	22	5.82	6.12	6.46	4.77	4.08	4.55	6.02	3.96	3.31	3.02	4.18	5.35	57.64
129	SWEET GUM R	E-4	TVA	1800	25	5.60	5.65	5.79	4.98	3.61	4.16	5.05	3.96	3.13	2.60	3.76	4.79	53.08
131	HEMPTOWN GAP	E-4	TVA	2090	25	5.25	5.54	5.68	4.81	4.00	4.00	5.65	4.31	3.15	2.62	3.47	4.51	52.99
133	BLAIRSVILLE NO. 2	F-4	TVA	1825	27	5.26	5.50	5.87	4.62	3.96	3.84	5.50	4.24	3.26	2.89	3.61	4.58	53.13
570	CHOSTOE	F-4	TVA	1900	17	5.71	5.73	6.77	4.93	4.29	4.16	5.84	4.41	4.21	3.02	4.00	5.25	58.09
135	NEEL GAP R	F-4	TVA	3300	25	6.54	6.26	6.54	5.58	4.75	4.47	7.23	5.94	4.66	4.27	4.68	5.94	66.86
136	MURPHY EVAPORATION STA. R	E-3	TVA	1575	85	5.83	5.91	6.09	5.03	3.92	4.43	5.79	4.04	3.20	2.79	3.77	4.87	55.67
138	TOMOTLA	F-3	TVA	1755	24	6.28	6.32	6.45	5.06	3.99	4.55	6.34	4.63	3.11	2.88	4.01	5.25	58.87
140	HYATT CREEK R	F-3	TVA	2450	25	8.36	7.69	7.84	5.94	5.43	5.69	7.28	5.46	3.91	3.67	5.89	6.70	73.86
141	ANDREWS	F-3	USWB	1840	51	6.59	6.41	6.78	5.16	4.25	4.87	6.37	5.00	3.35	2.93	3.91	6.27	61.89
362	TEYAHALEE BALD R	F-3	TVA	4750	22	7.32	7.04	7.41	5.23	5.04	5.63	6.65	4.85	3.84	3.08	5.30	6.40	67.79
146	YOUNG HARRIS	F-4	TVA	1920	22	4.60	5.56	5.69	4.51	4.18	4.27	4.86	3.62	3.27	3.00	3.71	4.31	51.58
147	BRASSTOWN BALD R	F-4	TVA	4780	25	5.88	5.71	6.35	5.53	4.77	4.75	6.41	5.42	4.33	4.05	4.13	5.08	62.41
144	ANDREWS DAM	F-3	NPCO	1670	25	4.69	4.72	4.90	4.16	3.26	4.25	5.62	3.86	2.65	2.46	2.99	3.95	47.51
151	HIWASSEE	F-4	TVA	1950	17	4.98	6.10	5.89	5.26	3.75	4.08	6.62	4.30	3.19	2.91	3.31	5.41	55.80
152	GLADE GAP R	F-3	TVA	3800	25	6.59	6.74	6.43	5.21	4.76	5.17	7.34	5.52	3.94	3.90	4.10	5.55	65.25
153	LITTLE HIGHTOWER	F-4	TVA	2150	25	5.42	5.66	6.71	5.76	4.25	4.73	6.16	4.92	4.31	3.40	4.01	5.23	60.56
574	TITUS	F-4	TVA	2180	18	5.31	5.93	7.10	5.64	4.92	5.02	5.98	5.27	3.61	4.51	5.49	64.05	
154	TRAY MOUNTAIN R	F-4	TVA	3900	25	7.32	6.54	7.44	6.43	5.55	4.96	8.22	6.57	5.59	5.24	5.27	6.60	75.73
LITTLE TENNESSEE RIVER BELOW FONTANA DAM																		
171	MCGHEE	E-3	TVA	810	56	5.55	5.26	5.32	4.23	3.95	3.62	4.83	3.40	2.48	2.69	4.00	4.25	49.58
173	KITTLE	E-3	TVA	1000	25	5.48	5.06	5.31	4.26	4.17	3.60	4.71	4.06	2.84	2.69	4.11	4.13	50.42
174	TELLICO PLAINS	E-3	TVA	880	46	5.93	5.48	5.49	4.35	4.22	3.62	4.73	4.24	2.89	2.62	4.02	4.26	51.75
374	TELLICO RANGER STATION	E-3	USFS	1100	21	5.85	5.45	5.30	4.62	3.93	4.19	5.27	4.16	2.97	2.75	3.89	4.31	52.69
179	HAW KNOB R	E-3	TVA	4980	25	8.01	7.59	7.50	6.39	5.41	6.43	8.10	5.71	4.13	3.99	5.55	6.62	75.43
175	MINT	E-3	TVA	960	25	5.46	5.18	5.20	4.05	3.94	3.70	5.25	4.36	3.09	2.86	4.15	4.37	51.61
176	CALDERWOOD POWERHOUSE	F-3	ALCOA	950	29	5.37	5.37	5.43	4.40	4.44	4.28	6.03	4.55	2.92	2.85	3.86	4.06	53.56
178	CHEROKEE DAM	F-3	ALCOA	1110	30	5.92	5.94	5.91	4.72	4.41	4.71	6.06	4.73	3.20	2.85	3.94	4.74	57.13
180	SANTEEFLAH DAM	F-3	ALCOA	1960	25	6.56	5.93	6.36	4.55	3.80	4.07	5.11	4.38	2.92	2.73	4.24	5.36	56.05
550	SANTEEFLAH GAP R	F-3	TVA	2780	19	7.20	6.14	6.86	4.67	4.30	4.83	5.45	3.77	3.80	2.90	4.69	5.93	60.54
592	FONTANA DAM	F-3	TVA	1312	18	5.75	5.53	6.01	4.12	4.28	5.10	5.30	3.88	3.42	2.56	3.96	4.81	54.72
LITTLE TENNESSEE RIVER ABOVE FONTANA DAM																		
181	PROCTOR R	F-3	TVA	1720	25	6.38	6.07	6.09	4.68	4.15	4.50	5.75	3.93	3.12	2.93	4.04	5.08	56.72
182	STEOAH	F-3	TVA	2030	25	6.62	6.21	6.39	5.00	4.12	4.57	6.30	3.93	3.08	2.93	4.04	5.17	58.36
183	NOLAND CREEK R	F-3	TVA	2520	20	6.04	6.69	6.07	4.74	4.14	4.07	5.94	4.39	2.84	3.05	4.25	5.11	57.33
184	CLINGMANS DOME R	F-3	TVA	6250	24	9.04	8.30	8.23	6.73	5.92	6.56	8.79	7.61	4.92	4.99	6.64	7.23	84.96
185	BRYSON CITY R	F-3	TVA	2000	72	5.55	5.30	5.66	4.00	3.51	3.57	5.41	4.04	2.80	2.48	3.48	4.40	50.20
525	ELA, NEAR	F-3	NPCO	1830	18	5.75	5.59	6.01	3.89	4.40	4.06	5.32	4.29	3.08	2.57	3.73	4.94	53.63
542	CHEROKEE	F-3	USDI	1950	18	5.63	5.33	5.69	3.60	3.55	4.30	5.31	3.68	2.90	2.35	3.53	4.49	50.36
186	OCNALUFFY	F-3	USDI	2100	27	6.47	6.23	6.54	4.63	4.03	3.71	5.76	4.90	3.19	2.88	3.92	4.92	57.18
187	SPRUCE MOUNTAIN R	F-3	TVA	4600	25	6.30	5.76	6.21	4.56	3.90	4.43	6.47	5.01	3.84	3.33	4.32	4.99	59.12
377	JACK COVE	F-3	TVA	1920	22	5.28	5.47	5.69	3.89	3.84	3.92	5.21	4.00	2.92	2.22	3.35	4.49	50.28
249	BALSAM	F-3	TVA	3330	18	5.66	5.48	5.95	4.22	4.58	4.17	6.09	5.34	4.23	2.95	3.72	4.96	57.35
189	CULLOWHEE	F-3	USWB	2100	50	4.69	4.51	5.10	3.49	3.46	3.76	5.24	4.42	2.75	2.49	2.84	4.52	47.27
564A	THORPE POWERHOUSE	F-3	NPCO	2320	18	5.41	5.14	5.94	4.58	4.18	4.32	5.12	4.34	3.44	3.02	3.54	4.47	53.50
564	THORPE DAM	F-3	NPCO	3550	19	5.92	5.58	6.53	5.02	4.38	5.29	5.45	4.92	3.82	3.56	4.04	4.89	59.40
509	LAUREL MOUNTAIN R	F-3	TVA	4260	19	6.78	6.45	8.05	5.77	5.50	5.93	7.20	5.84	5.42	4.61	5.39	6.92	73.86
190	HAYWOOD GAP R	G-3	TVA	5400	25	6.37	6.10	6.82	6.14	5.42	5.51	7.04	6.53	5.94	5.03	5.19	5.95	72.04
191	OWENS GAP	G-3	TVA	3520	25	6.45	6.23	7.23	6.19	5.30	5.26	7.18	7.08	5.14	4.58	5.30	6.56	72.50
193	NANTAHALA	F-3	NPCO	2020	25	6.64	6.73	6.55	5.23	4.32	4.98	6.34	4.32	3.27	2.92	4.10	5.25	60.65
594	NANTAHALA DAM	F-3	NPCO	2950	18	7.16	6.74	6.80	4.75	4.83	4.62	5.99	4.09	4.11	2.74	4.24	5.91	61.98
194																		

TABLE 4-- (Continued)

Sta. No.	Station Name and Location	Index	Present Owner	Elev.	Yrs. of Record	Mean Precipitation in Inches												Annual
						Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
LITTLE TENNESSEE RIVER ABOVE FONTANA DAM (CONT'D)																		
197	WAYNE BALD R	F-3	TVA	5350	25	7.87	7.26	7.27	5.63	4.61	4.79	6.59	4.77	4.14	3.77	4.98	6.36	68.04
199	OTTO	F-3	TVA	2300	25	5.29	5.45	6.17	4.83	4.07	4.33	5.72	4.89	3.74	3.16	3.90	4.83	56.38
200C	COMBETA NO. 8	F-3	USFS	3880	24	9.26	9.60	10.01	7.79	6.29	6.42	8.82	6.80	6.51	5.87	6.69	9.26	93.32
200D	COMBETA NO. 21	F-3	USFS	2875	25	6.84	7.20	7.61	6.13	4.81	5.22	6.36	5.41	4.59	3.96	4.83	6.61	69.63
201A	HIGHLANDS	F-3	TVA	3800	18	8.06	7.57	8.96	6.76	5.95	6.23	9.17	6.73	6.80	5.24	6.22	7.60	85.29
201	HIGHLANDS, NEAR	F-3	USWB	3350	71	7.46	6.47	8.04	5.94	5.18	6.42	9.20	7.64	4.99	4.52	5.22	7.66	78.74
204	CLAYTON	F-4	USWB	2180	65	6.59	6.18	7.39	5.67	4.33	5.14	6.28	6.41	4.26	3.87	4.70	6.70	67.52
FRENCH BROAD RIVER																		
642	SEVIERVILLE	F-3	TVA	900	41	5.67	4.73	4.44	3.78	3.79	4.15	5.42	4.00	2.63	2.26	3.92	4.01	48.80
206	PIGEON FORGE	F-3	TVA	1012	19	4.79	4.41	4.70	3.40	3.34	3.97	4.93	3.91	3.01	2.30	3.22	3.65	45.63
209	GATLINBURG, NEAR	F-3	USWB	1460	34	5.15	5.06	5.49	4.61	4.24	5.14	6.47	5.20	3.02	2.94	3.69	4.16	55.17
593	DOUGLAS DAM	F-3	TVA	928	18	4.68	4.70	4.45	3.22	3.36	3.19	4.50	2.96	2.73	2.16	3.42	3.89	43.26
211	DANBRIDGE	F-2	TVA	1080	55	4.50	4.60	4.81	3.61	3.26	3.29	4.75	3.52	2.62	2.28	3.22	3.67	44.13
212	WHITE PINE	F-2	TVA	1165	25	4.24	4.13	4.23	3.44	3.14	3.44	4.47	3.61	2.64	2.17	3.05	3.40	42.01
213	BULLS GAP	F-2	TVA	1060	25	4.50	4.29	4.76	3.51	3.18	3.94	4.89	3.50	2.63	2.20	3.36	3.73	44.49
214	LICK CREEK R	G-2	TVA	1180	24	3.94	3.77	3.94	2.86	3.21	2.90	4.51	3.34	2.26	2.11	2.69	3.17	38.70
215	JEAROLDSTOWN	G-2	TVA	1465	25	4.40	4.24	4.70	3.44	3.53	3.71	5.00	3.87	2.55	2.32	3.18	3.67	44.61
216	LITTLE CHUCKY	G-2	TVA	1340	25	4.12	4.16	4.35	3.58	3.32	3.74	4.67	3.20	2.74	2.27	2.99	3.47	42.61
661	NOLICHUCKY DAM	G-2	TVA	1220	15	4.54	4.08	4.33	3.44	4.07	3.98	4.35	3.58	2.92	2.23	3.35	3.43	44.30
475	GREENEVILLE, NEAR R	G-2	UT	1380	19	3.73	3.56	4.14	3.07	3.23	3.55	4.81	3.34	3.06	2.10	2.72	2.94	40.25
217	GREENEVILLE, NEAR	G-2	USWB	1320	27	3.87	3.91	4.35	3.28	3.38	3.52	4.95	3.63	3.15	2.35	2.83	3.20	42.42
218	CAMP CREEK BALD R	G-2	TVA	4560	25	5.56	5.35	5.87	4.73	4.62	5.39	7.35	5.18	4.17	3.59	3.92	4.75	60.48
219	LIMESTONE	G-2	TVA	1420	25	3.83	3.69	4.15	3.41	3.48	3.73	5.27	3.66	2.70	2.11	2.72	2.98	41.73
220	EMERSONVILLE	G-2	TVA	1590	34	3.80	4.04	4.58	3.79	4.03	3.71	6.22	4.15	3.31	2.51	2.96	3.26	46.36
221	ERWIN	G-2	TVA	1750	32	3.87	4.05	4.78	3.75	4.05	4.09	6.33	4.21	3.28	2.62	2.93	3.31	47.07
643	LIMESTONE COVE	G-2	TVA	2365	15	4.88	4.33	4.64	3.75	4.05	4.33	6.13	4.90	3.48	2.64	3.83	3.68	51.90
224	FLAT TOP MOUNTAIN	G-2	TVA	2360	25	4.67	4.59	5.20	4.17	4.02	4.70	6.27	5.13	3.40	2.89	3.49	3.73	52.26
224	BEAUTY SPOT R	G-2	TVA	4210	25	4.49	4.24	4.59	4.13	3.33	4.19	6.18	4.43	3.52	2.84	3.44	3.67	49.65
226	CANE RIVER	G-3	TVA	2540	25	3.84	4.02	4.29	3.42	3.42	3.37	4.68	3.90	3.11	2.37	2.76	2.90	42.08
227	MCKINNEY GAP	G-3	TVA	3960	25	6.55	6.48	7.11	5.15	4.54	4.69	6.26	4.63	3.86	3.30	4.41	5.09	62.17
228	COKIDOMBS MOUNTAIN R	G-3	TVA	4350	25	3.79	3.79	4.46	3.59	3.75	3.95	5.07	4.37	3.60	3.01	2.86	3.25	45.49
229	DATBOOK	G-3	TVA	2330	25	3.76	3.44	3.99	3.22	3.29	3.16	4.32	3.79	3.30	2.13	2.62	2.67	39.69
231	ROAN HIGH KNOB R	G-2	TVA	6150	25	4.59	4.44	4.87	4.51	4.72	5.08	6.60	4.77	4.29	3.32	3.72	3.68	54.59
402	BAKERSVILLE	G-2	TVA	2600	21	3.32	3.72	4.06	3.49	3.74	3.32	4.55	4.21	3.38	2.22	2.61	3.02	42.14
232	CELO	G-3	TVA	2750	25	4.55	4.41	5.33	4.26	3.94	3.59	5.22	5.19	4.19	3.24	3.26	4.08	51.26
622	CELO, NEAR	G-3	USWB	2700	17	4.97	4.84	5.91	4.50	4.25	4.19	5.23	5.49	4.66	3.56	3.56	4.51	55.72
233A	MT. MITCHELL R	G-3	TVA	6620	25	5.65	6.02	6.52	5.86	4.91	5.43	7.94	7.89	6.53	6.06	4.99	5.71	73.56
234	SNOW CREEK	G-3	TVA	2640	25	3.48	3.56	4.40	3.42	3.19	3.73	5.19	4.16	3.73	2.47	2.70	3.11	43.14
623	SPRUCE PINE	G-3	TVA	3016	17	4.10	3.65	4.96	3.72	3.50	3.79	4.82	4.87	5.02	3.03	3.56	3.48	43.50
235	LITTLE SWITZERLAND R	G-3	TVA	3550	25	4.90	4.15	5.62	4.71	4.09	4.16	6.25	6.31	4.97	3.92	3.94	4.56	57.58
236	ALBAPASS	G-3	TVA	2600	46	4.20	3.64	4.92	4.45	3.65	3.39	4.90	4.33	3.98	3.11	3.59	3.56	47.72
237	PLUMMER	G-2	TVA	2900	25	4.32	4.17	4.85	4.36	3.81	3.84	5.28	4.83	3.89	3.07	3.47	3.63	49.52
238	SMOKY GAP	H-2	TVA	3675	25	3.94	3.78	4.24	4.00	4.12	4.60	5.61	4.83	3.73	2.76	3.22	3.08	47.91
378	CROSSWORE	H-2	USWB	3430	46	4.27	4.26	4.87	4.46	4.09	4.31	5.90	6.04	4.84	3.93	3.66	4.14	54.67
241	NEWPORT	F-3	USWB	1080	69	4.29	4.14	4.82	3.40	3.56	3.73	5.25	4.02	2.45	2.42	2.65	3.46	44.19
241A	NEWPORT	F-3	TVA	1050	17	4.28	4.24	4.56	3.54	3.53	3.63	5.07	3.61	2.69	2.39	2.93	3.44	43.91
538	COSEBY NO. 4	F-3	USDI	1720	19	5.00	5.17	5.57	4.43	4.46	4.63	6.86	5.05	3.16	2.85	3.69	4.22	55.09
243	HARTFORD	F-3	TVA	1260	25	4.29	4.23	4.63	3.83	4.03	4.55	6.62	4.68	2.72	2.51	3.00	3.52	48.61
244	WATERSVILLE	F-3	USWB	1440	29	4.26	4.20	4.45	3.97	3.71	4.71	6.41	4.61	2.98	2.48	2.74	3.35	47.87
245	MT. STERLING	F-3	TVA	2950	25	4.86	4.75	5.37	4.31	4.11	4.43	6.87	4.85	3.33	2.74	3.45	3.56	52.93
656	CATALOOCHES	F-3	USDI	2620	15	5.32	4.56	5.47	3.99	3.78	3.96	5.87	4.25	3.18	2.55	3.89	4.18	51.02
407	CATALOOCHES RANCH	F-3	TVA	4800	21	6.44	6.31	7.09	4.74	4.56	5.07	6.84	4.98	3.97	3.28	4.30	5.34	62.92
247	WAYNESVILLE	G-3	USWB	2675	66	4.73	4.16	5.24	3.11	3.33	3.42	5.30	4.21	2.37	2.68	2.81	4.05	45.41
248	EAGLENEST MOUNTAIN	F-3	TVA	3280	25	6.15	6.05	6.25	4.60	4.12	4.27	5.95	3.94	3.25	2.78	3.90	4.92	56.18
250	CHAMBERS MOUNTAIN R	G-3	TVA	4300	25	3.24	2.93	3.75	3.05	2.69	2.97	4.93	3.96	2.73	2.42	2.38	2.54	37.59
251	CANTON	G-3	CP&LCO	2600	29	3.52	3.45	4.19	3.03	2.92	3.23	4.98	4.57	2.56	2.51	2.34	3.02	40.32
253	DIX CREEK	G-3	TVA	3060	25	4.70	4.40	5.25	3.06	3.44	3.79	4.65	4.90	3.84	2.90	3.36	3.56	49.05
254	MT. PISGAH R	G-3	TVA	5160	25	4.82	4.48	5.44	4.89	4.47	4.84	6.50	6.30	5.50	4.94	4.14	4.64	60.96
629	BIG EAST FORK PIGEON	G-3	TVA	3410	17	6.65	6.49	8.55	6.48	5.27	5.31	7.42	5.56	7.64	5.26	6.38	6.48	77.49
255	WOLF CREEK	G-3	TVA	1200	25	3.78	3.82	4.42	3.28	3.75	4.13	5.43	3.85	3.23	2.25	2.69	3.02	43.70
256	HOT SPRINGS	G-3	USWB	1335	54	3.43	3.47	4.46	3.43	3.28	4.36	5.34	4.39	2.70	2.42	2.58	2.98	42.89
256A	HOT SPRINGS AIRWAYS	G-3	USWB	1450	19	3.48	3.47	4.46	3.43	3.28	4.36	5.34	4.39	2.70	2.42	2.58	2.98	42.89
257	MAX PATCH MOUNTAIN R	G-3	TVA	4285	25	4.46	4.65	5.02	5.00	4.38	5.08	6.71	5.51	3.79	3.23			

TABLE 4--(Continued)

Sta. No.	Station Name and Location	Index	Present Owner	Elev.	Yrs. of Record	Mean Precipitation in Inches												
						Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
FRENCH BROAD RIVER (CONT'D)																		
270	SWANNANOA, NEAR	G-3	USWB	2260	29	3.61	3.42	4.10	3.40	2.88	3.44	4.45	4.07	3.46	3.02	2.45	3.15	42.25
271A	NORTH FORK NO. 2	G-3	USWB	2520	17	4.03	4.05	5.14	3.83	3.67	4.37	5.45	5.42	5.01	3.81	3.27	3.42	50.27
271	NORTH FORK R	G-3	TVA	2765	34	4.60	4.76	5.59	4.59	3.78	4.60	6.41	6.03	4.68	3.61	3.52	4.25	56.62
274	ENKA	G-3	USWB	2075	29	3.25	2.96	4.05	2.88	3.06	3.36	4.85	4.10	2.41	2.50	2.44	3.90	38.85
266	ROCKFACE MOUNTAIN	G-3	TVA	3100	25	3.51	3.42	4.11	3.23	3.04	3.52	4.60	4.42	3.21	2.43	2.50	3.66	40.85
275	BENT CREEK	G-3	USFS	2110	26	4.01	3.64	4.51	3.89	2.99	3.88	5.40	4.17	3.06	2.57	2.46	3.60	45.07
276B	AAH AIRPORT	G-3	TVA	2090	25	4.03	3.93	4.65	3.83	3.50	3.54	5.50	4.51	3.43	2.42	2.31	3.50	46.30
277	GARRIN CREEK	G-3	TVA	2620	24	4.77	4.56	5.62	4.75	4.07	5.03	6.03	5.84	5.43	4.35	3.58	4.47	58.80
273	BLUE RIDGE POST OFFICE R	G-3	TVA	2270	25	4.50	4.38	5.16	4.12	4.07	4.33	6.29	5.33	4.70	3.74	3.51	4.33	54.46
279	HENDERSONVILLE	G-3	USWB	2153	63	4.92	4.36	5.64	4.12	4.18	5.02	6.43	5.67	3.71	3.59	3.71	4.92	56.27
280	RUSS MOUNTAIN	G-3	TVA	3000	25	6.31	6.01	7.13	5.26	4.91	5.09	7.01	6.99	5.23	5.10	5.19	6.33	71.16
282	PINK BIKES R	G-3	TVA	3285	24	6.70	6.29	7.17	6.15	4.84	5.20	6.71	6.38	5.52	4.97	5.01	6.66	71.60
281	MILLS RIVER R	G-3	TVA	2090	25	4.67	4.20	4.81	4.05	3.95	4.04	5.79	5.05	3.78	3.23	3.39	4.01	50.97
283	CEDAR MOUNTAIN R	G-3	TVA	2750	24	6.90	6.79	7.70	6.40	5.53	6.00	7.73	7.85	5.83	5.23	5.88	7.01	78.85
284	CASSARS HEAD	G-3	USWB	3115	35	6.88	5.70	7.36	5.12	5.24	5.39	7.57	7.27	5.04	4.81	5.37	7.61	73.36
476	PISCAGE FOREST	G-3	USWB	2150	20	5.19	5.28	6.70	4.73	4.99	5.20	6.63	6.22	4.92	3.49	4.41	5.44	63.10
285	BREYARD	G-3	USWB	2120	56	5.67	5.26	6.35	4.56	4.71	4.66	6.69	5.96	3.99	4.01	4.39	5.90	62.15
286	ROSMAN NO. 2	G-3	TVA	2220	25	7.02	6.89	7.46	6.26	5.48	5.75	8.32	7.11	5.41	4.73	5.57	7.01	77.21
640	SASSAPRAS MOUNTAIN	G-3	TVA	3500	18	6.29	6.76	8.11	6.24	6.29	6.79	7.96	6.92	6.44	5.19	6.03	6.47	79.49
UNCLASSIFIED STATIONS																		
412	JACKSON SUBSTA.	A-3	TVA	359	21	7.02	5.24	5.41	4.84	4.30	4.50	4.26	3.60	3.32	2.57	4.58	4.32	53.96
413	MARTIN SUBSTA.	A-2	TVA	385	21	6.05	4.79	5.69	4.55	4.56	4.37	4.39	2.69	2.93	2.86	4.40	4.06	51.34
414A	MEMPHIS AF	-	USWB	263	89	5.55	4.59	5.59	4.80	3.92	3.33	3.23	2.94	2.55	3.27	4.56	5.09	49.42
415	TUPELO SUBSTA.	A-4	TVA	256	21	5.88	5.44	6.49	4.67	3.82	3.88	4.04	2.43	2.99	2.10	4.44	4.73	50.91
455	LEBANON SUBSTA.	C-2	TVA	530	46	6.01	4.84	5.23	3.92	4.27	3.69	3.73	3.70	3.20	2.63	4.13	4.32	49.67
469	SOUTH NASHVILLE SUBSTA.	C-2	TVA	425	20	6.32	4.67	5.27	3.67	3.90	3.16	4.14	3.03	2.88	2.22	3.68	3.96	46.90
630	BOWLING GREEN SUBSTA.	C-1	TVA	470	16	5.96	4.28	5.39	4.15	4.01	3.84	4.50	3.30	3.12	2.34	3.80	4.14	48.83



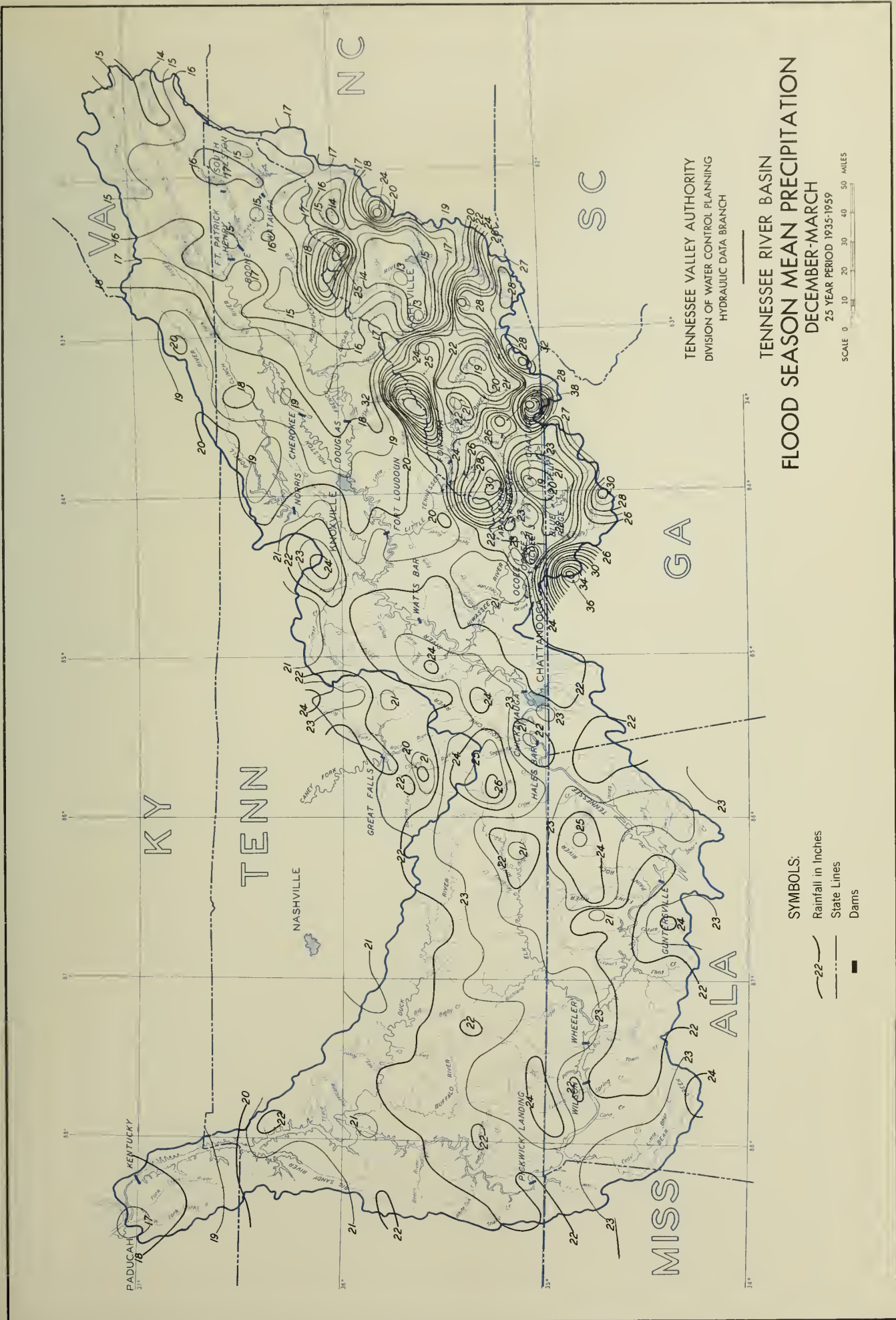
PLATES 2 AND 3

Isohyetal Maps of 1935-1959 Mean Precipitation

For

Flood Season and Crop Season

In the Tennessee River Basin





TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN CROP SEASON MEAN PRECIPITATION APRIL - OCTOBER 25 YEAR PERIOD 1935-1959

SCALE 0 10 20 30 40 50 MILES

SYMBOLS:

- Rainfall in Inches
- State Lines
- Dams

PLATES 4 TO 15

Isohyetal Maps of 1935-1959 Mean Monthly Precipitation
For 12 Months January-December
In the Tennessee River Basin



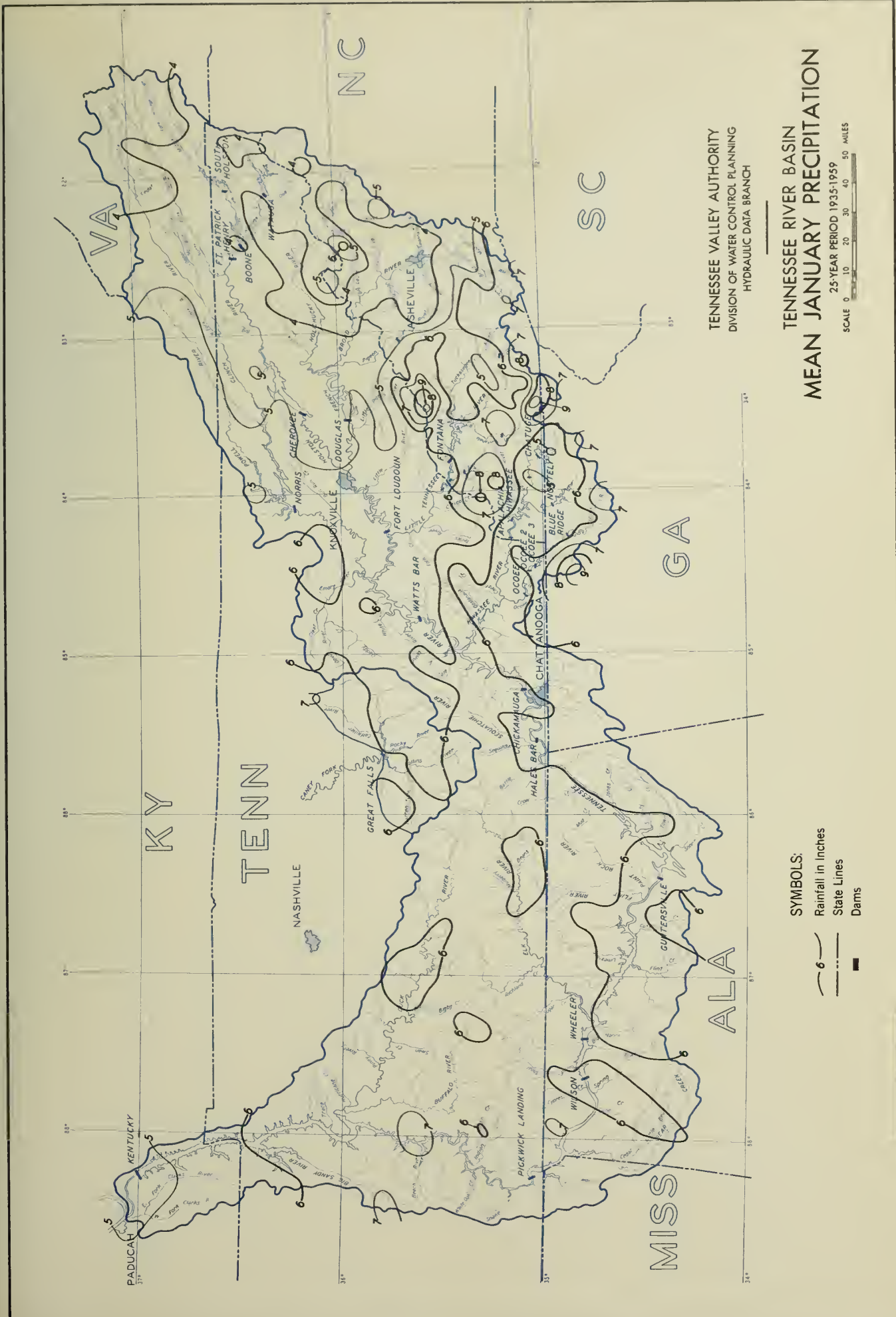
TENNESSEE RIVER BASIN MEAN JANUARY PRECIPITATION

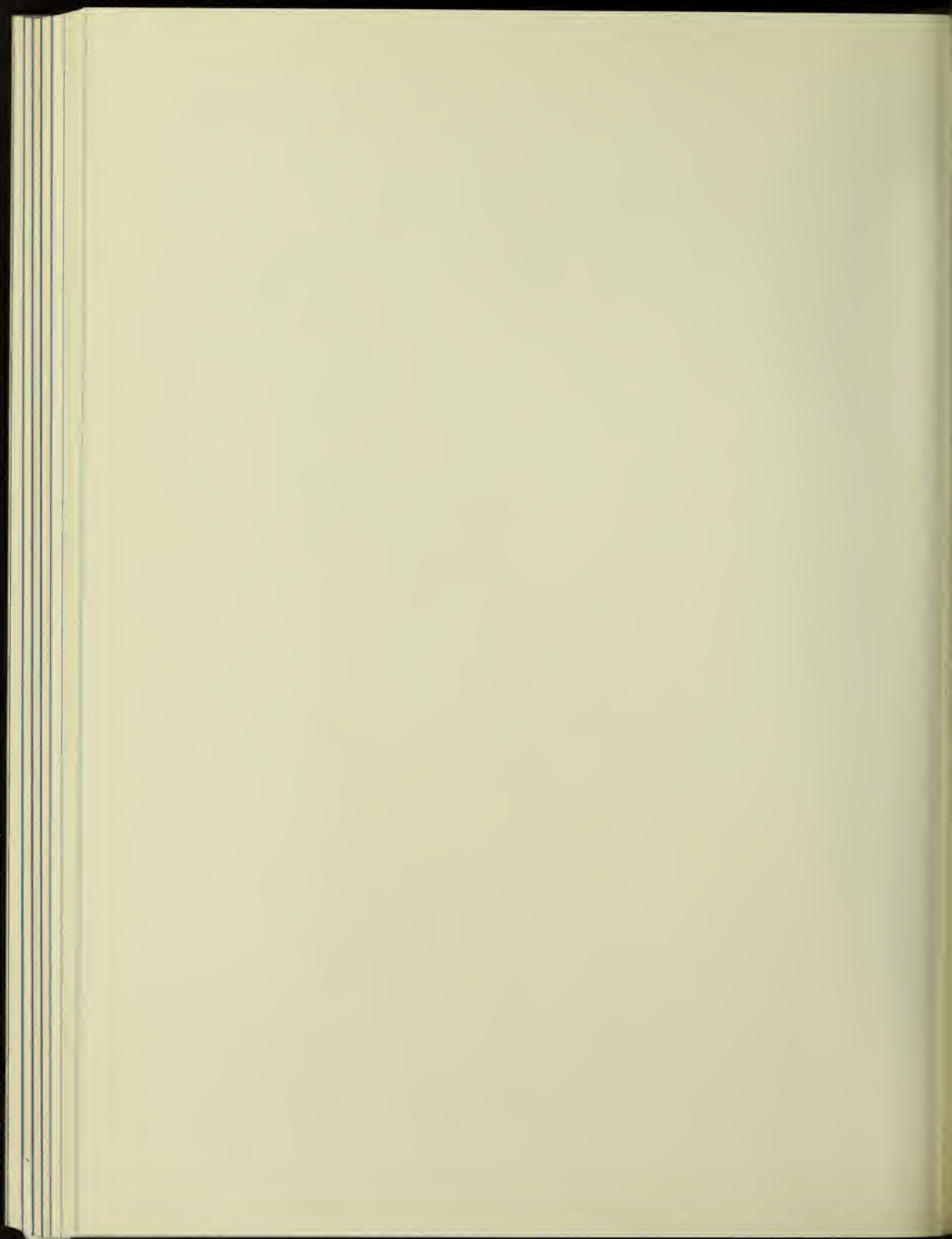
25-YEAR PERIOD 1935-1959
SCALE 0 10 20 30 40 50 MILES

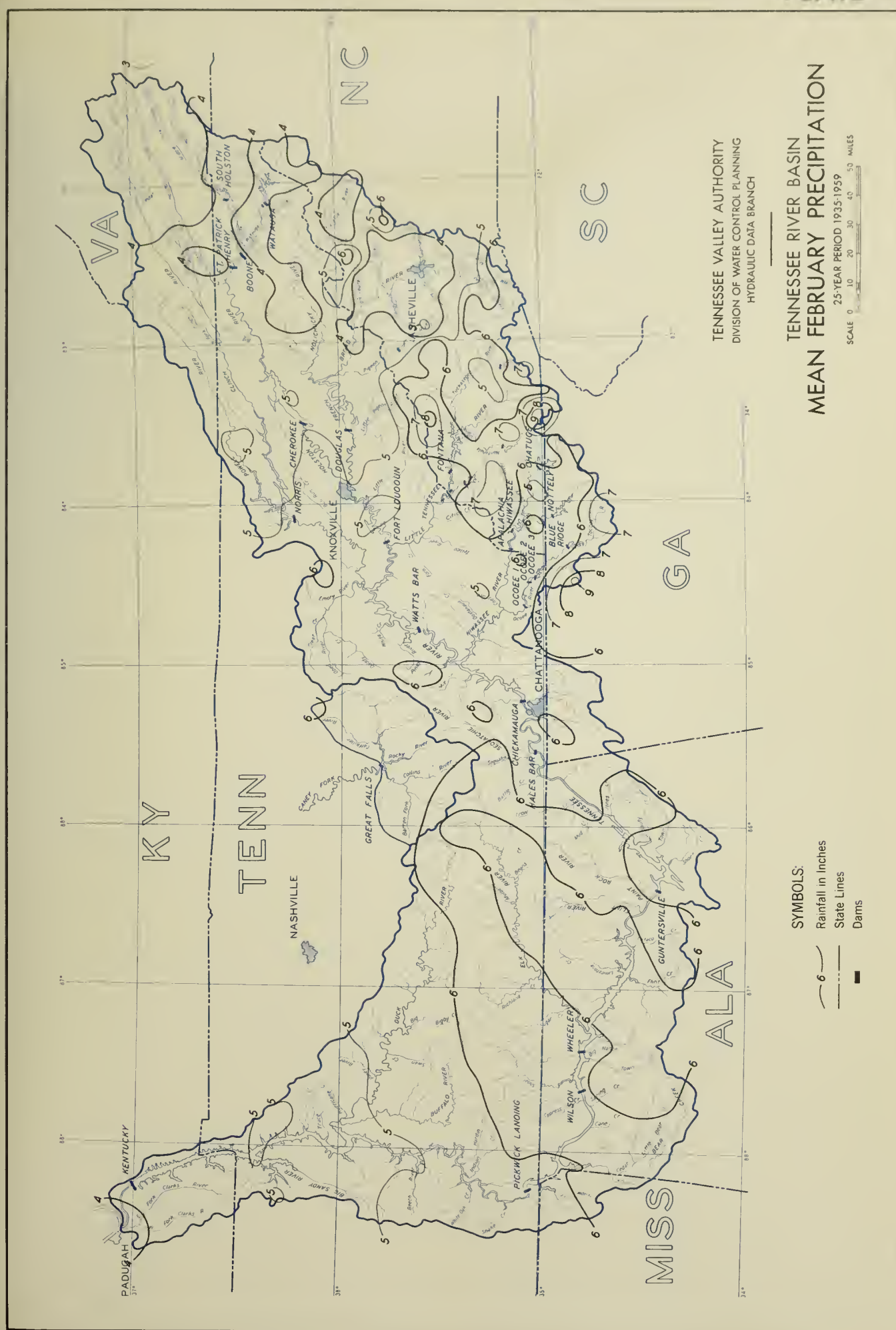
TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

SYMBOLS:

- Rainfall in inches
- State Lines
- Dams





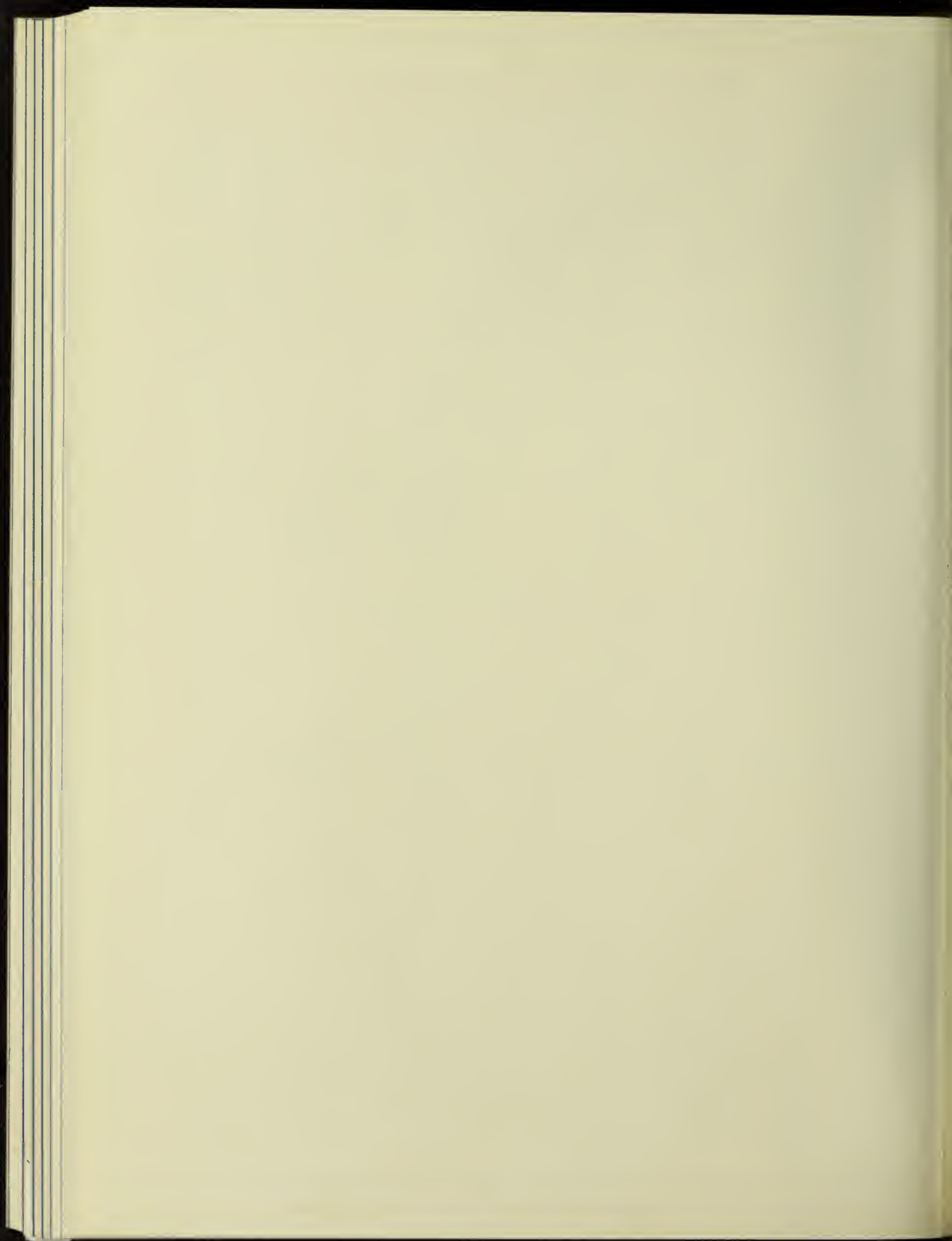


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DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN MEAN FEBRUARY PRECIPITATION

25-YEAR PERIOD 1935-1959
SCALE 0 10 20 30 40 50 MILES

- SYMBOLS:**
- 6 — Rainfall in Inches
 - State Lines
 - Dams

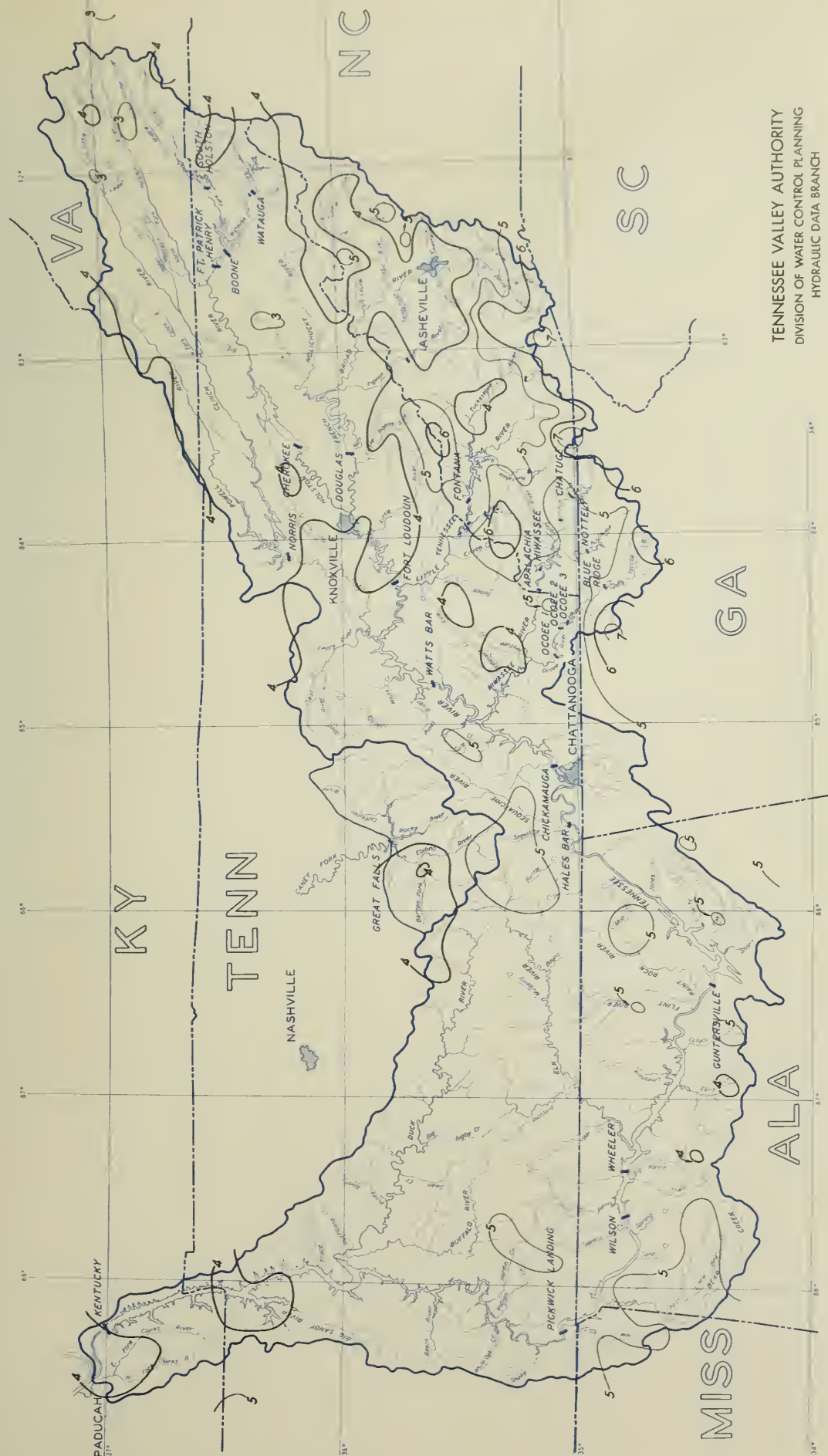




TENNESSEE VALLEY AUTHORITY
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HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN MEAN MARCH PRECIPITATION 25-YEAR PERIOD 1935-1959

SYMBOLS:
 Rainfall in Inches
 State Lines
 Dams



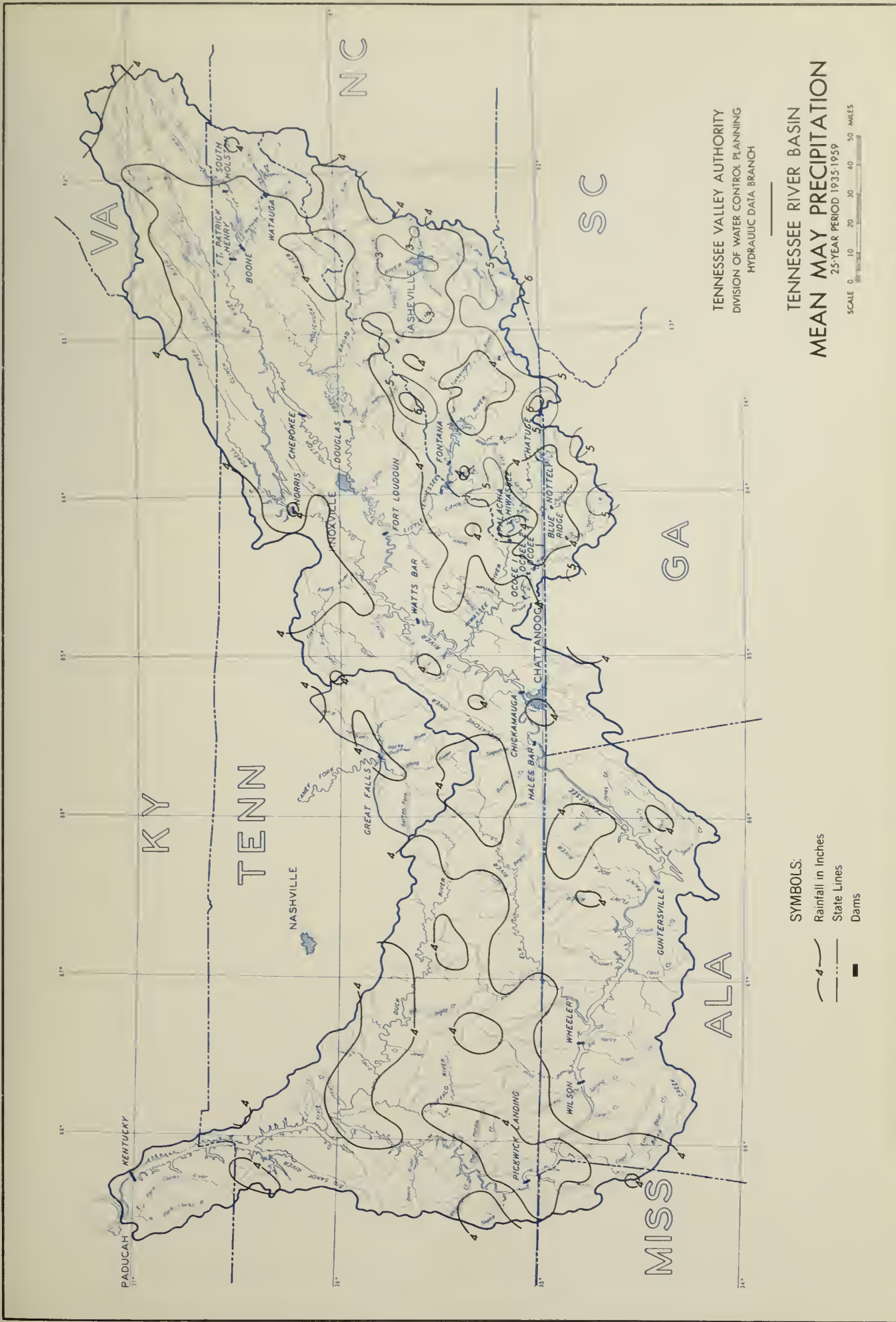
TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN
MEAN APRIL PRECIPITATION
25-YEAR PERIOD 1935-1959

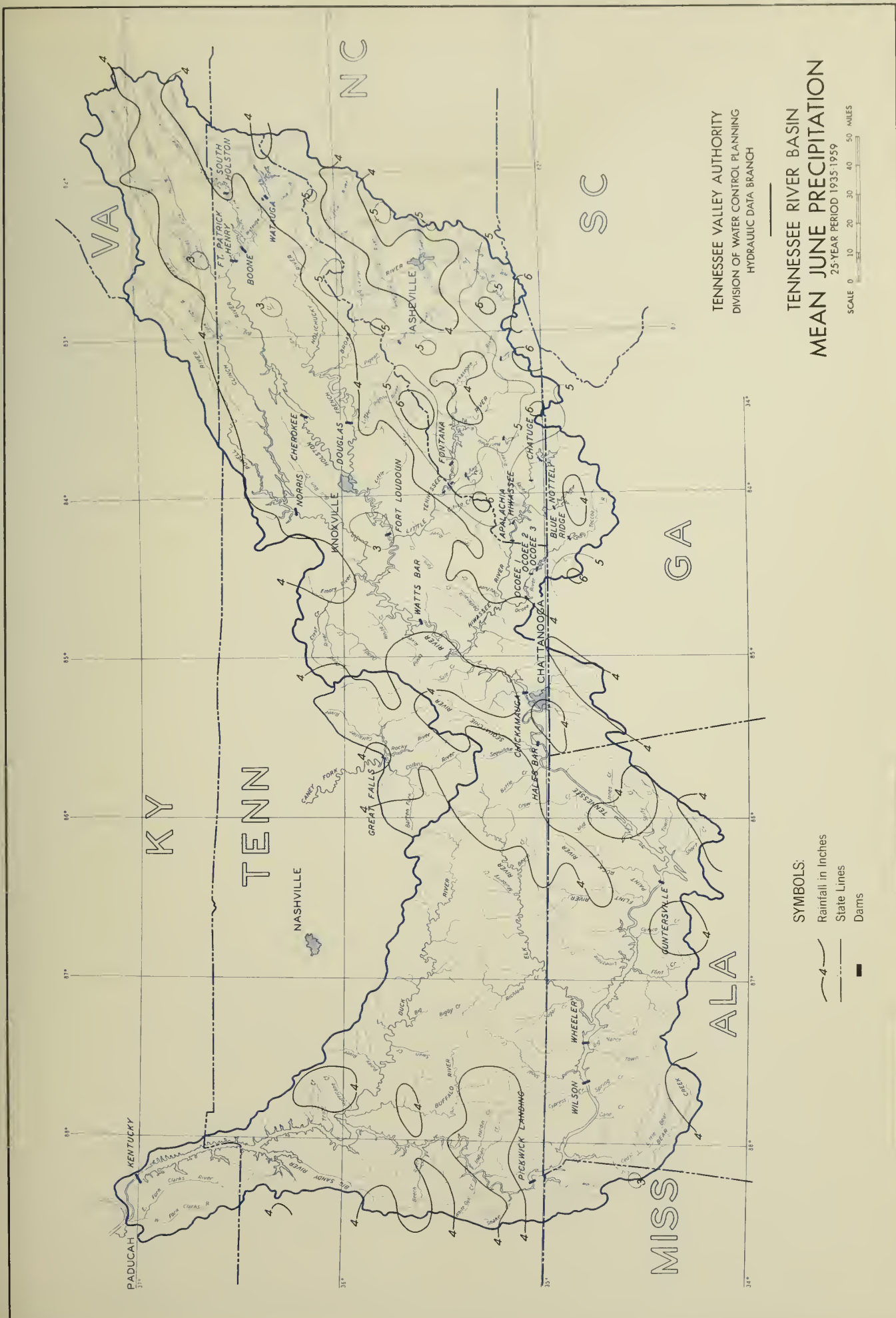
SCALE 0 10 20 30 40 50 MILES

SYMBOLS:

- 4 — Rainfall in Inches
- State Lines
- Dams







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HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN MEAN JUNE PRECIPITATION 25-YEAR PERIOD 1935-1959

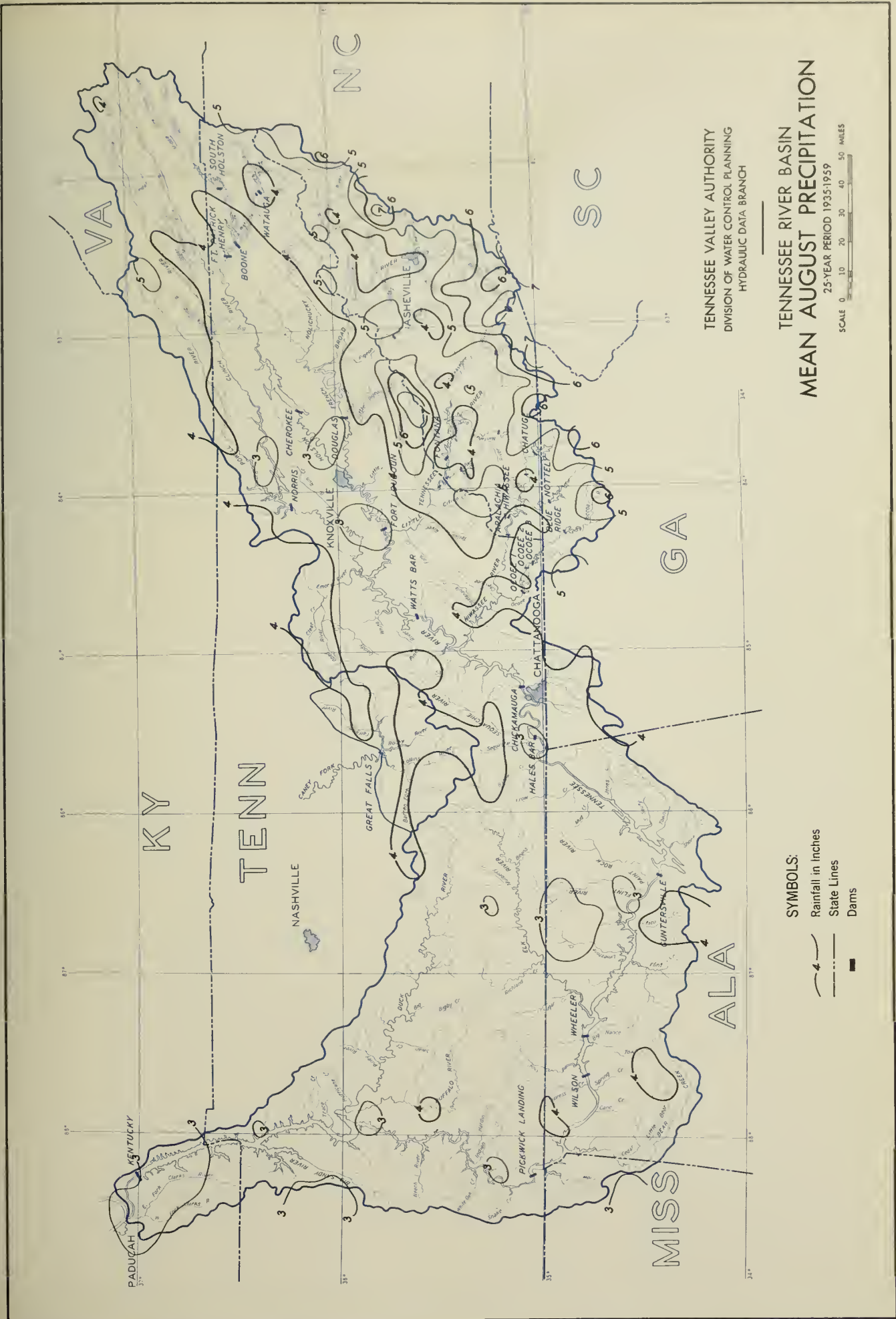
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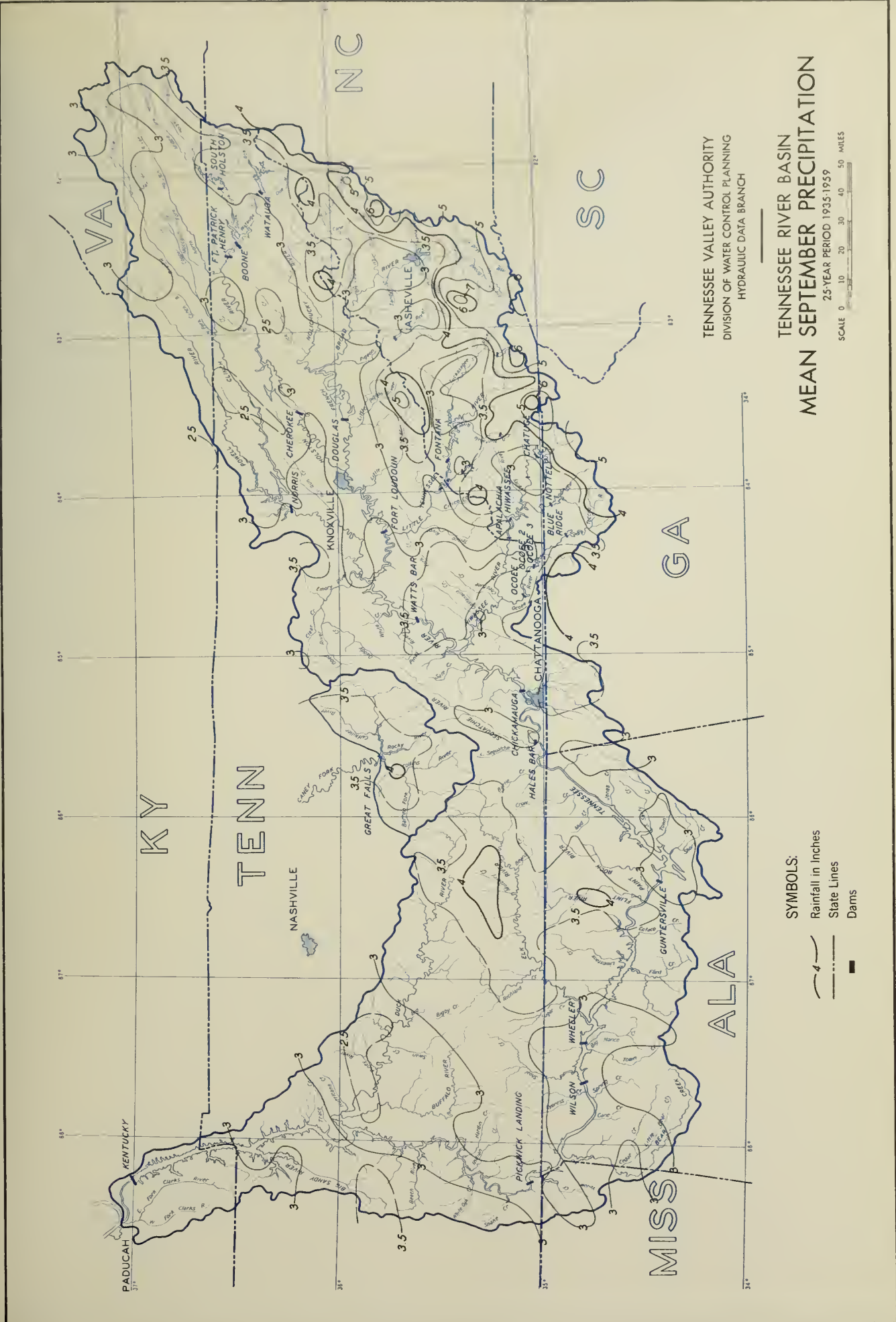
SYMBOLS:

- Rainfall in Inches
- State Lines
- Dams









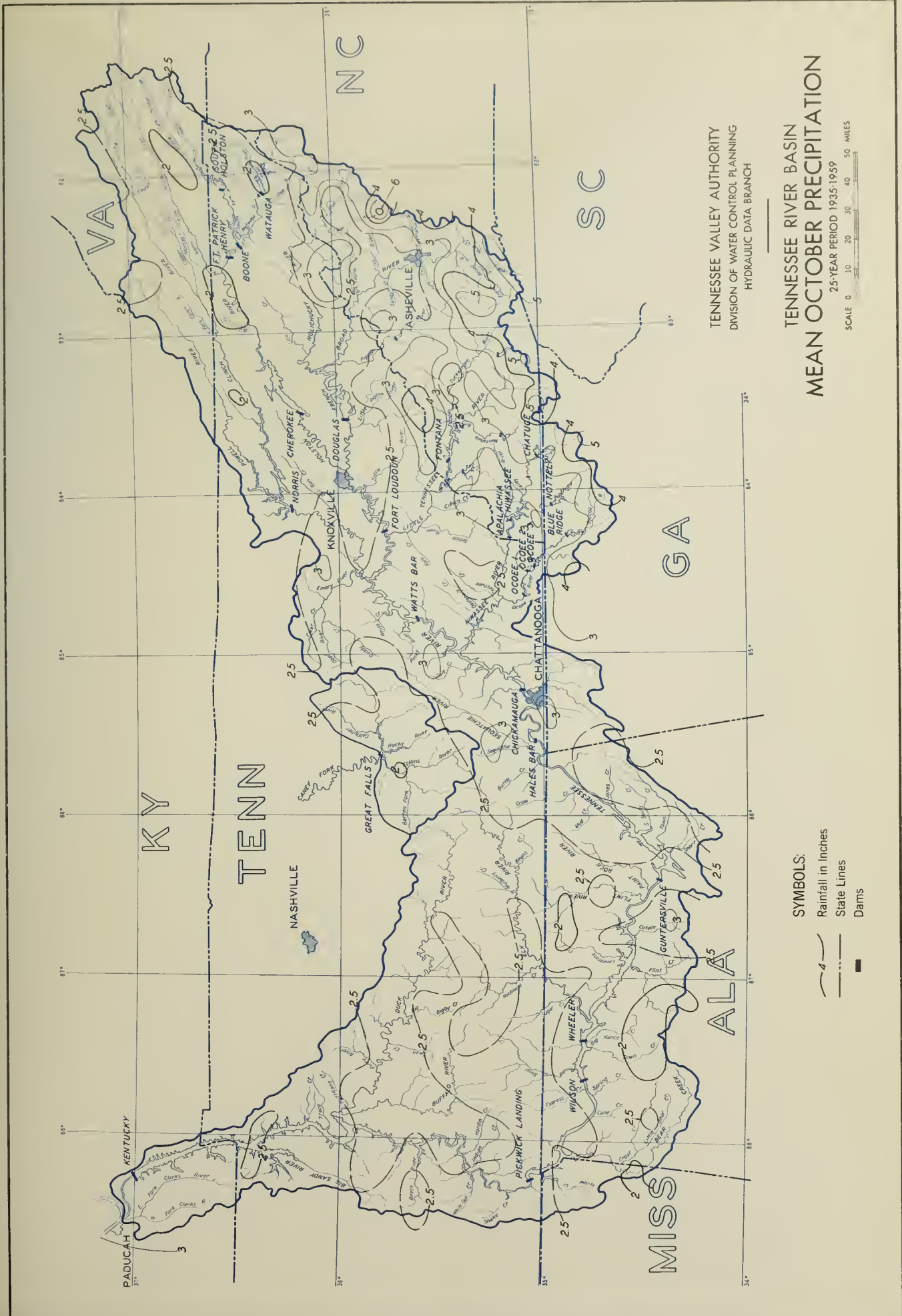
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HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN
MEAN SEPTEMBER PRECIPITATION

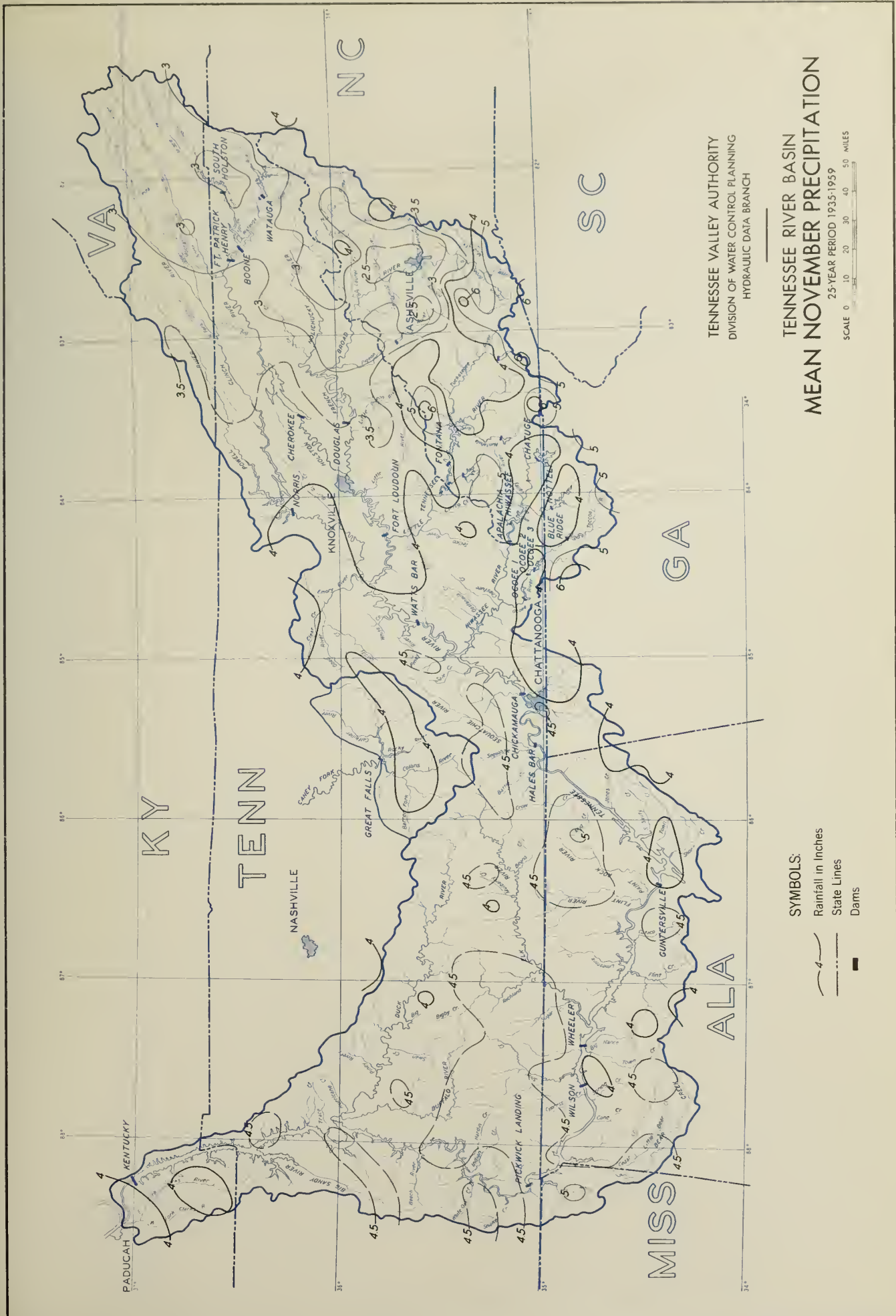
25-YEAR PERIOD 1935-1959
SCALE 0 10 20 30 40 50 MILES

- SYMBOLS:
- 4 — Rainfall in Inches
 - State Lines
 - Dams









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HYDRAULIC DATA BRANCH

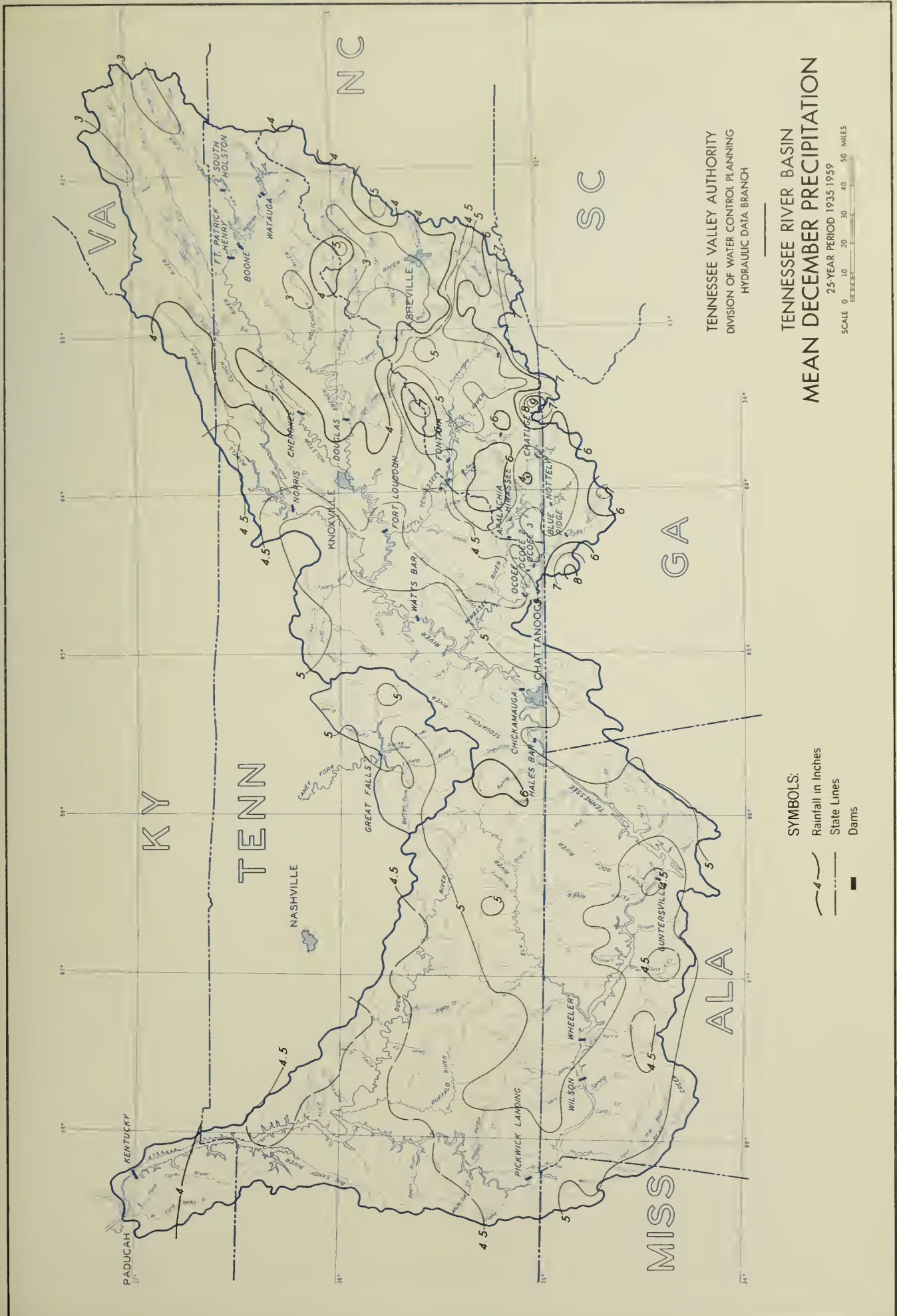
TENNESSEE RIVER BASIN MEAN NOVEMBER PRECIPITATION

25-YEAR PERIOD 1935-1959
SCALE 0 10 20 30 40 50 MILES

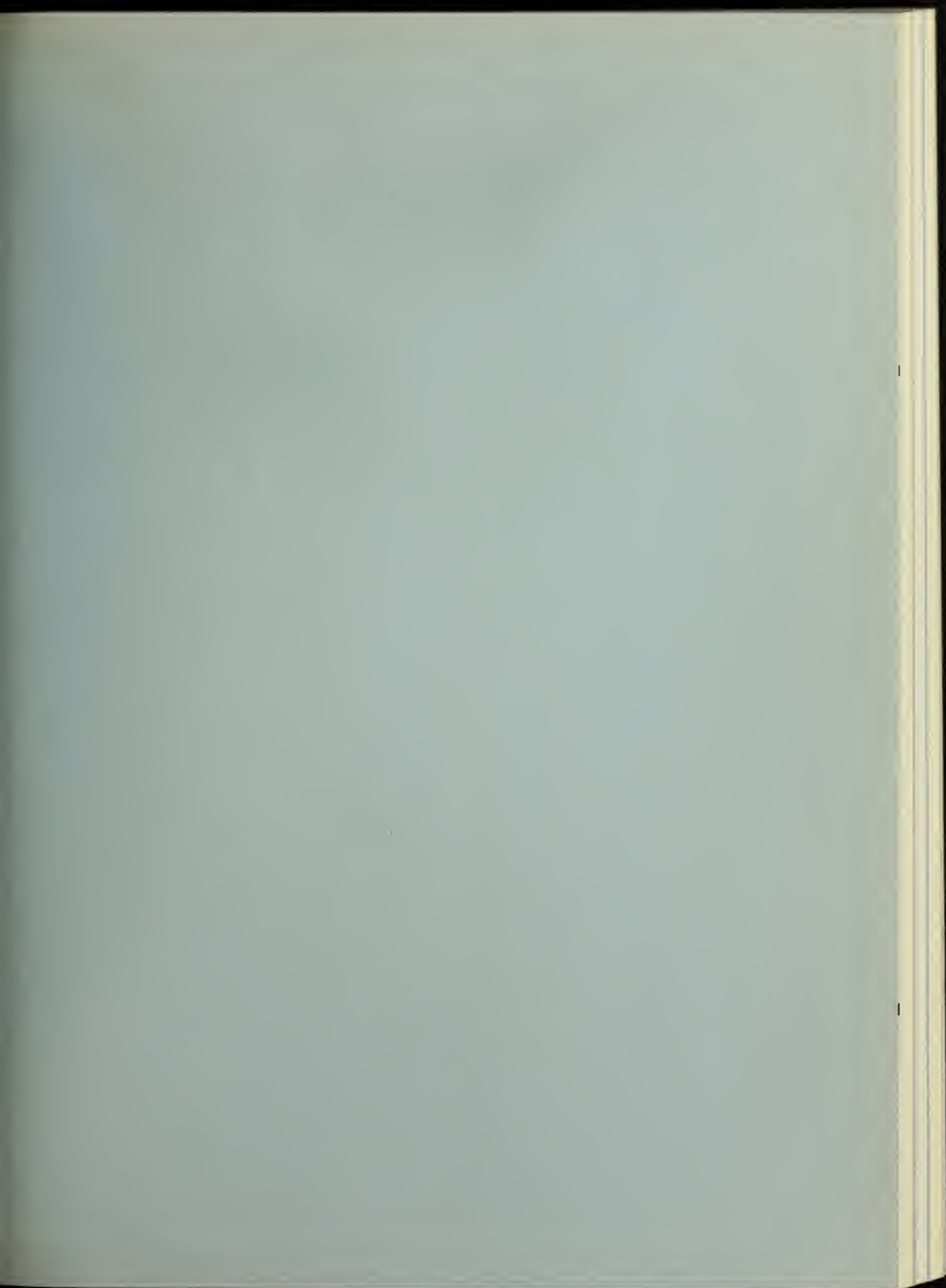
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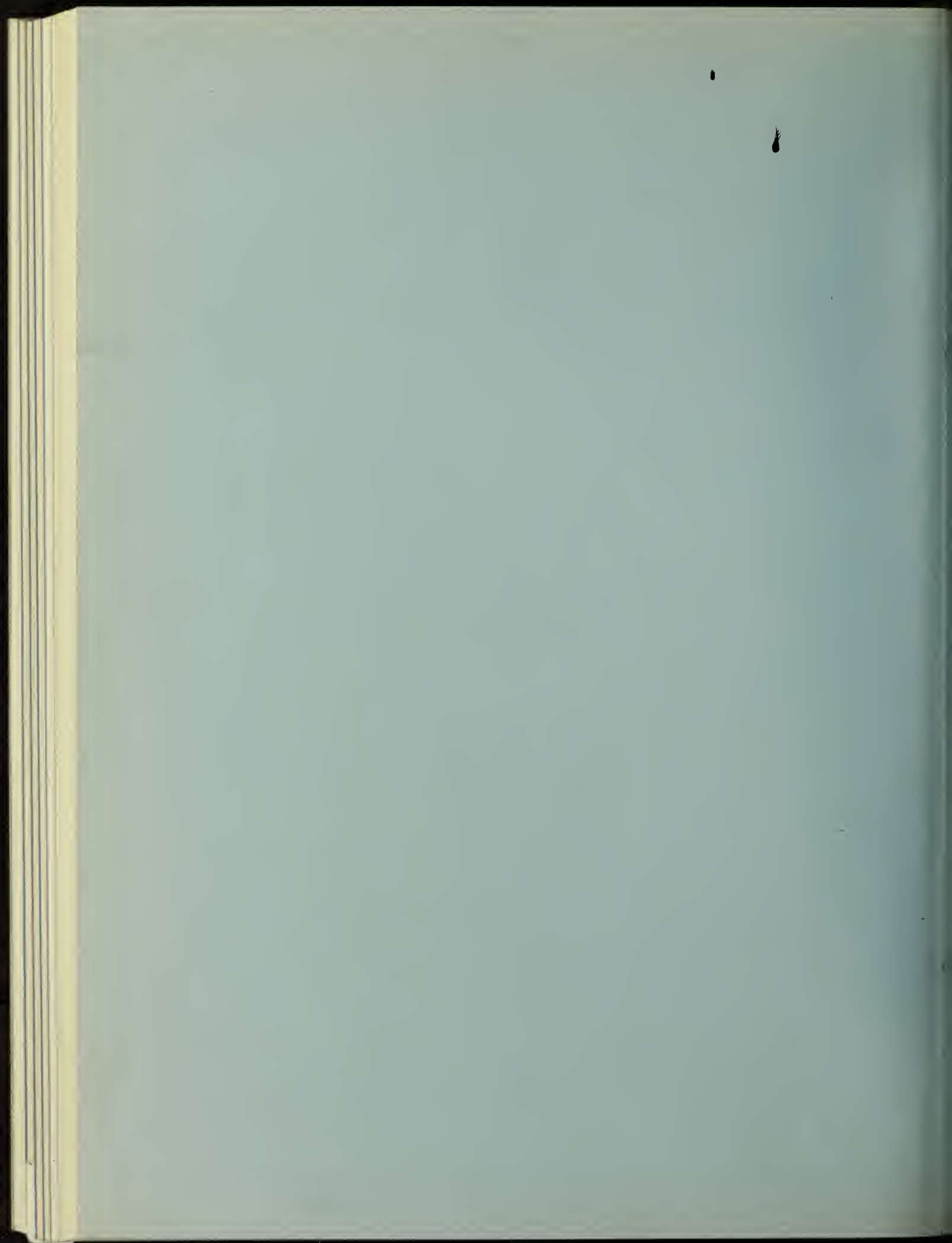
- Rainfall in Inches
- State Lines
- Dams











ANNUAL

1960

PRECIPITATION IN TENNESSEE RIVER BASIN

FOR THE YEAR

All Figures are in Inches

AVERAGE PRECIPITATION

Above Chattanooga (50.99)*	46.02
Below Chattanooga (52.09)*	45.92
Entire Basin (51.51)*	45.97

MOST RAIN

Coweeta No. 8, N. C.	84.73
----------------------	-------

LEAST RAIN

Oak Grove, Tenn.	30.51
------------------	-------

HIGHEST 24-HOUR RAIN

Oak Ridge W.B., Tenn.	7.45
-----------------------	------

NATURAL STREAMFLOW

Above Knoxville	17.36
Above Chattanooga	19.57

*Mean for 70-Year Period 1890-1959

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HYDRAULIC DATA BRANCH

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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1960

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Average Precipitation on Watershed Subdivisions - Table	5
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TENNESSEE VALLEY AUTHORITY

GEORGE P. PALO, Chief Engineer

DIVISION OF WATER CONTROL PLANNING

REED A. ELLIOT, Chief Water Control Planning Engineer

HYDRAULIC DATA BRANCH

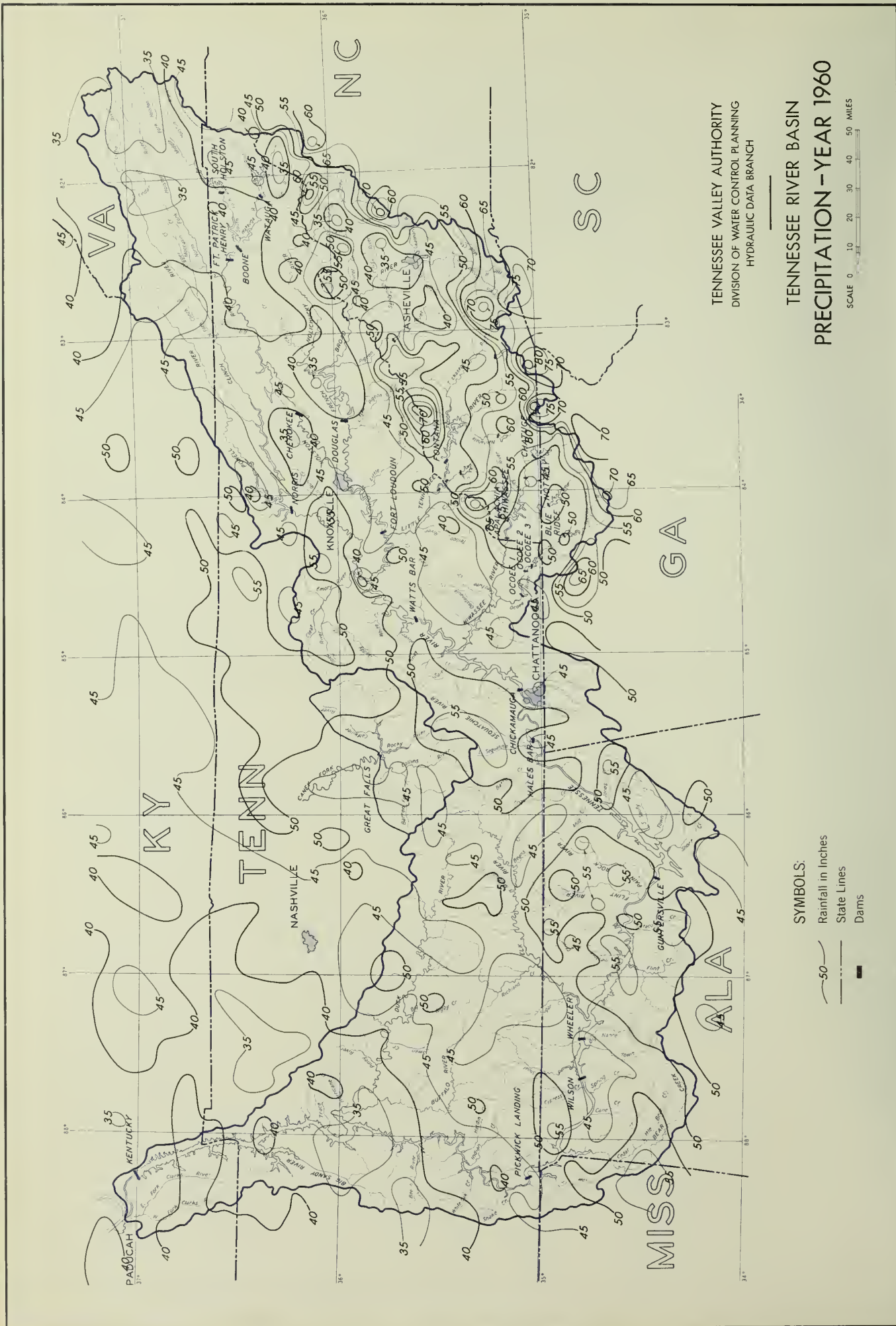
ALBERT S. FRY, Chief of Branch

ANNUAL 1960

**PRECIPITATION
IN
TENNESSEE RIVER BASIN**

REPORT NO. O-243





TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING
HYDRAULIC DATA BRANCH

TENNESSEE RIVER BASIN

PRECIPITATION - YEAR 1960

SCALE 0 10 20 30 40 50 MILES

SYMBOLS:

- 50— Rainfall in Inches
- State Lines
- Dams

551 57
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1960

PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1960

Precipitation over the Tennessee River Basin during 1960 averaged 45.97 inches, 5.54 inches less than the 70-year mean of 51.51 inches. There have been eleven years in the past 71 years of record since 1890 that had less rainfall than 1960. In the area above Chattanooga, the 1960 average was 46.02 inches, 4.97 inches below the 70-year mean of 50.99 inches. The 1960 average below Chattanooga was 45.92 inches, 6.17 inches below the 70-year mean of 52.09 inches. The frontispiece map shows the distribution of precipitation over the Basin for the year 1960. The table on pages 18 to 26 shows monthly and annual precipitation data for stations in the Tennessee River Basin, together with some stations bordering the Basin.

Monthly precipitation in the Basin was below the 70-year mean during the first five months of the year, during July 1960, and during the last two months. Precipitation was above the 70-year mean during June 1960, and August to October, inclusive. The wettest month during 1960 was March with 5.43 inches, the driest was April 1960 with 2.34 inches. Above Chattanooga, the wettest month was August with 5.55 inches, and the driest was April with 2.30 inches. Below Chattanooga, the wettest month was March with 5.98 inches and April the driest with 2.38 inches.

The maximum station precipitation for the year 1960 was 84.73 inches at Coweeta No. 8, North Carolina, located in the upper Little Tennessee River basin. The 25-year mean at this station is 93.32 inches. This station and others listed below, all located in the mountainous southeastern section of the Basin, reported 70 inches or more during 1960:

<u>Station</u>	<u>1960 Annual Precipitation inches</u>	<u>Station</u>	<u>1960 Annual Precipitation inches</u>
Coweeta No. 8, N. C.	84.73	Haywood Gap, N. C.	74.78
Highlands, N. C.	80.37	Tray Mountain, Ga.	74.65
Highlands (near), N. C.	79.82	Clingmans Dome (radio), N. C.	72.5
Caesars Head, S. C.	78.40	Clingmans Dome (recorder), N.C.	72.09
Sassafras Mountain, S. C.	77.58	Mt. Mitchell, N. C.	71.35
Rosman No. 2, N. C.	75.98	Suches, Ga.	70.01
Gloucester Gap, N. C.	75.22		

The Coweeta No. 8 station, which recorded the maximum station total in the Basin for the calendar year 1960, also has the distinction of recording 145.47 inches, the maximum 12-months total known in the Basin. That amount occurred during the year ending October 1949. The 1949 calendar year amount was 126.09 inches which has been exceeded only by the Haywood Gap, North Carolina, station total of 133.30 inches in 1957. The minimum 12-months total at Coweeta No. 8 was 58.30 inches during the year ending May 1940. Twelve-month running totals for 1960 months for the Coweeta No. 8 station are shown in the following table:

Precipitation For 12-Months Periods

Ending With 1960 Months

At Coweeta No. 8, N. C.

<u>Month</u> <u>1960</u>	<u>Total for 12-Months</u> <u>Ending with Month Shown</u> <u>inches</u>	<u>Month</u> <u>1960</u>	<u>Total for 12-Months</u> <u>Ending with Month Shown</u> <u>inches</u>
January	102.82	July	95.17
February	107.21	August	98.79
March	107.50	September	96.73
April	103.83	October	88.77
May	92.46	November	89.05
June	96.22	December	84.73

The minimum station precipitation for 1960 was 30.51 inches at the TVA recording rain gage station located at Oak Grove, Tennessee, in the Kentucky Lake area, 19.92 inches less than the 25-year mean of 50.43 inches. Seventeen other stations reported totals of less than 35 inches for the year.

The maximum station precipitation for a month in the Basin for 1960 was 13.81 inches in August at Rosman, North Carolina, located in the upper French Broad River area. This catch was the greatest August rainfall at Rosman since 1940. The minimum station precipitation for a month was 0.31 inch in September 1960 at Odomville, Tennessee, in the Watauga River area.

The greatest precipitation reported within 24 hours during 1960 was 7.45 inches at the U. S. Weather Bureau recording rain gage located at Oak Ridge, Tennessee. The amount actually fell during a five-hour period between 3 p.m. and 8 p.m. on August 10, 1960.

Among the watershed subdivisions, the maximum annual average for 1960 was 68.8 inches over the upper French Broad River basin above Blantyre, North Carolina; 3.5 inches below the 25-year mean of 72.3 inches. Monthly maxima for 1960 occurred in this area during February, March, May, and August. The minimum annual subdivision precipitation for 1960 was 35.4 inches over the North Fork Holston River above Gate City, Virginia, 7.1 inches below the 25-year mean of 42.5 inches. This area was also a Basin minimum for January 1960. Precipitation on all watershed subdivisions for 1960 is shown on the map on page 6. The tabulation on page 7 lists precipitation and runoff for 1960 for 14 selected watersheds in the Basin. Other tabulations and chart show selected data on precipitation and runoff.

Snowfall was reported somewhere in the Basin during the first five months and the last three months of 1960. About 96 percent of the 1960 annual snowfall occurred during the great snow and ice storms of January, February, and March 1960. The record breaking snowfall during these months was the subject of a special report Snow and Ice Storms of 1959-1960 in Tennessee River Basin, which was issued as a supplement to the March 1960 issue of this bulletin. A report on the greatest ice storm in the history of the Basin which laid waste to much of the highland area in the central section of the Basin on March 2, 1960, is also contained in the supplement.

The record breaking 1960 average snowfall for the Basin was 33.7 inches, with January contributing 14 percent, February 34 percent, and March 48 percent of this amount. The 1960 average snowfall in the Basin east of Chattanooga was 44.5 inches, and 21.3 inches west of that city. The maximum for the Basin was 128.9 inches at McKinney Gap, North Carolina, located near the Tennessee-North Carolina state line in the French Broad River basin. Nearly 51 percent of this amount fell in March 1960. The following nine stations, all located in North Carolina in or near eastern section of the Basin, reported 1960 annual totals of 80 inches or more:

<u>Station</u>	<u>1960 Annual Snowfall inches</u>	<u>Station</u>	<u>1960 Annual Snowfall inches</u>
McKinney Gap	128.9	Mt. Sterling	87.1
Maple Spring Gap	123.3	Cataloochee Ranch	86.0
Banner Elk	91.0	Clingmans Peak	84.2
Boone	90.8	Smoky Gap	81.2
Parker	89.3		

The maximum 1960 amount reported in the Basin west of Chattanooga was 48.0 inches at Monteagle, Tennessee. The station at Herbert, Tennessee, located in the Caney Fork area, reported 53.6 inches for 1960.

Data observed at the six TVA evaporation stations during 1960 are shown in the table on page 9. Summaries of data on evaporation, air temperature, water temperature, relative humidity, wind velocity, and precipitation observed at TVA stations during the period 1935-1959 are contained in the report Evaporation in Tennessee River Basin which was issued as a supplement to the January 1961 issue of this bulletin.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations located in or near the Basin, together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, descriptions of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Seven reports on special storm investigations were published in monthly issues of this publication during 1960. These reports and the date of issue in which they appear are as follows:

	<u>Monthly Bulletin Containing Report</u>
Intense Rainstorm Over Upper Toccoa River Basin on July 26-27, 1960	July
Flood of August 9, 1960, on Black Creek at Rockwood, Tennessee	August
Cloudburst Strikes Oak Ridge, Tennessee on August 10, 1960	August
Intense Storm of June 16-17, 1960, in the Carters Creek Area near Columbia, Tennessee	August

Monthly Bulletin
Containing Report

Intense Rainstorm Strikes Lower Hiwassee Basin
on March 26-27, 1959

September

Brasstown Creek Flood on May 31, 1959

September

Storm of June 15-16, 1949
in Upper Hiwassee River Basin

December

TENNESSEE RIVER BASIN PRECIPITATION DURING 1960

Precipitation in Inches

<u>Month</u>	<u>Above Chattanooga 1960</u>	<u>Below Chattanooga 1960</u>	<u>Tennessee River Basin</u>			
			<u>1960</u>	<u>70-Yr. Mean</u>	<u>Deviation from Mean Monthly</u>	<u>Cumulative</u>
January	3.95	4.44	4.18	4.91	-0.73	-0.73
February	4.36	3.53	3.97	4.81	-0.84	-1.57
March	4.95	5.98	5.43	5.51	-0.08	-1.65
April	2.30	2.38	2.34	4.47	-2.13	-3.78
May	2.85	3.10	2.97	4.14	-1.17	-4.95
June	4.56	4.51	4.54	4.23	+0.31	-4.64
July	4.31	2.50	3.46	4.92	-1.46	-6.10
August	5.55	4.25	4.94	4.18	+0.76	-5.34
September	4.06	4.70	4.36	3.19	+1.17	-4.17
October	3.72	3.92	3.81	2.85	+0.96	-3.21
November	2.61	3.47	3.01	3.54	-0.53	-3.74
December	2.80	3.14	2.96	4.76	-1.80	-5.54
Total	46.02	45.92	45.97	51.51		

Mean precipitation figures are for the period 1890-1959.

ANNUAL STREAM FLOW IN INCHES - 1960

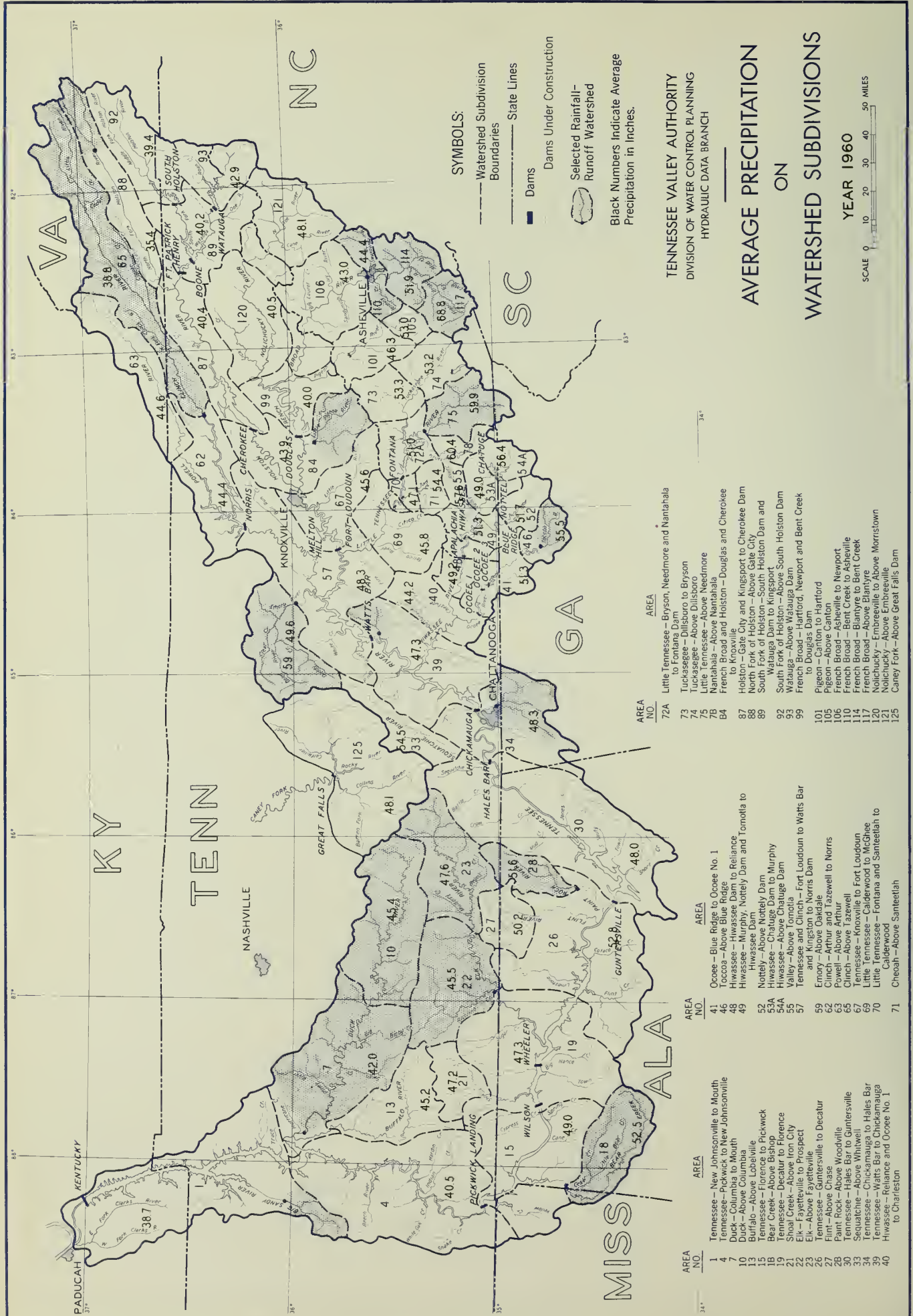
<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1960</u>	<u>Mean</u>	<u>1960</u>	<u>Mean</u>
Knoxville	21.36	19.46	17.36	19.44
Chattanooga	22.84	23.58	19.57	23.58

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1960 MONTHLY AND ANNUAL

	Subdivision	Average Precipitation - Inches												
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Entire Tennessee River Basin	1960 Average	4.18	3.97	5.43	2.34	2.97	4.54	3.46	4.94	4.36	3.81	3.01	2.96	45.97
	25-Yr. Average	5.65	5.26	5.40	4.40	3.91	3.88	4.93	3.88	3.15	2.64	3.96	4.50	51.56
Area Above Chattanooga	1960 Average	3.95	4.36	4.95	2.30	2.85	4.56	4.31	5.55	4.05	3.72	2.61	2.80	46.02
	25-Yr. Average	5.19	4.95	5.20	4.20	3.90	4.03	5.38	4.23	3.21	2.71	3.63	4.30	50.93
Area Below Chattanooga	1960 Average	4.44	3.53	5.98	2.38	3.10	4.51	2.50	4.25	4.70	3.92	3.47	3.14	45.99
	25-Yr. Average	6.19	5.61	5.62	4.63	3.92	3.70	4.41	3.48	3.08	2.56	4.34	4.72	52.26
French Broad Above Newport	1960 Average	4.29	5.92	5.10	2.90	3.37	4.81	4.26	7.41	3.61	4.14	1.44	1.86	49.11
	25-Yr. Average	4.46	4.33	5.05	4.15	3.88	4.38	5.87	4.98	3.76	3.17	3.35	3.93	51.31
French Broad Above Douglas Dam	1960 Average	4.00	5.01	4.59	2.58	3.37	4.89	4.80	6.19	2.90	3.94	1.79	2.15	46.21
	25-Yr. Average	4.44	4.33	4.92	3.98	3.78	4.13	5.65	4.56	3.47	2.88	3.28	3.76	49.18
Holston Above Cherokee Dam	1960 Average	2.89	3.64	3.97	2.11	3.29	3.69	5.54	4.32	1.82	3.66	2.14	2.45	39.52
	25-Yr. Average	4.19	3.92	4.39	3.53	3.89	3.83	5.25	4.10	2.93	2.30	3.00	3.37	44.70
Holston and French Broad Above Knoxville	1960 Average	3.51	4.30	4.32	2.32	3.35	4.58	5.00	5.35	2.47	3.86	2.01	2.32	43.39
	25-Yr. Average	4.41	4.25	4.73	3.82	3.83	3.99	5.47	4.32	3.21	2.62	3.21	3.65	47.51
Little Tennessee Above McChes	1960 Average	5.26	5.55	5.79	2.80	2.91	4.76	3.52	7.28	4.57	3.73	3.05	3.36	52.58
	25-Yr. Average	6.23	5.97	6.25	4.90	4.29	4.53	6.10	4.75	3.49	3.18	4.23	5.13	59.05
Little Tennessee Above Fontana Dam	1960 Average	5.77	6.20	6.12	3.08	3.14	5.02	3.70	7.47	4.77	3.98	2.74	3.30	55.29
	25-Yr. Average	6.24	6.04	6.39	4.95	4.26	4.55	6.26	4.91	3.68	3.29	4.17	5.26	60.00
Clinch Above Norris Dam	1960 Average	3.03	3.56	4.22	1.81	3.08	4.89	4.77	4.57	3.28	3.11	2.56	2.71	41.59
	25-Yr. Average	4.78	4.41	4.80	3.69	3.88	4.00	5.06	4.06	2.80	2.33	3.30	3.84	46.95
Hiwassee Above Charleston	1960 Average	5.11	4.94	5.63	2.78	2.07	3.69	3.79	7.47	5.22	3.32	3.16	3.35	50.53
	25-Yr. Average	6.03	5.93	6.10	4.98	4.07	4.32	5.78	4.43	3.38	2.99	4.10	5.07	57.18
Hiwassee Above Hiwassee Dam	1960 Average	5.59	5.37	5.64	3.27	2.12	4.21	3.70	8.33	4.63	3.48	2.99	3.24	52.57
	25-Yr. Average	5.97	5.98	6.21	5.10	4.20	4.55	6.13	4.63	3.50	3.10	3.96	5.11	58.44

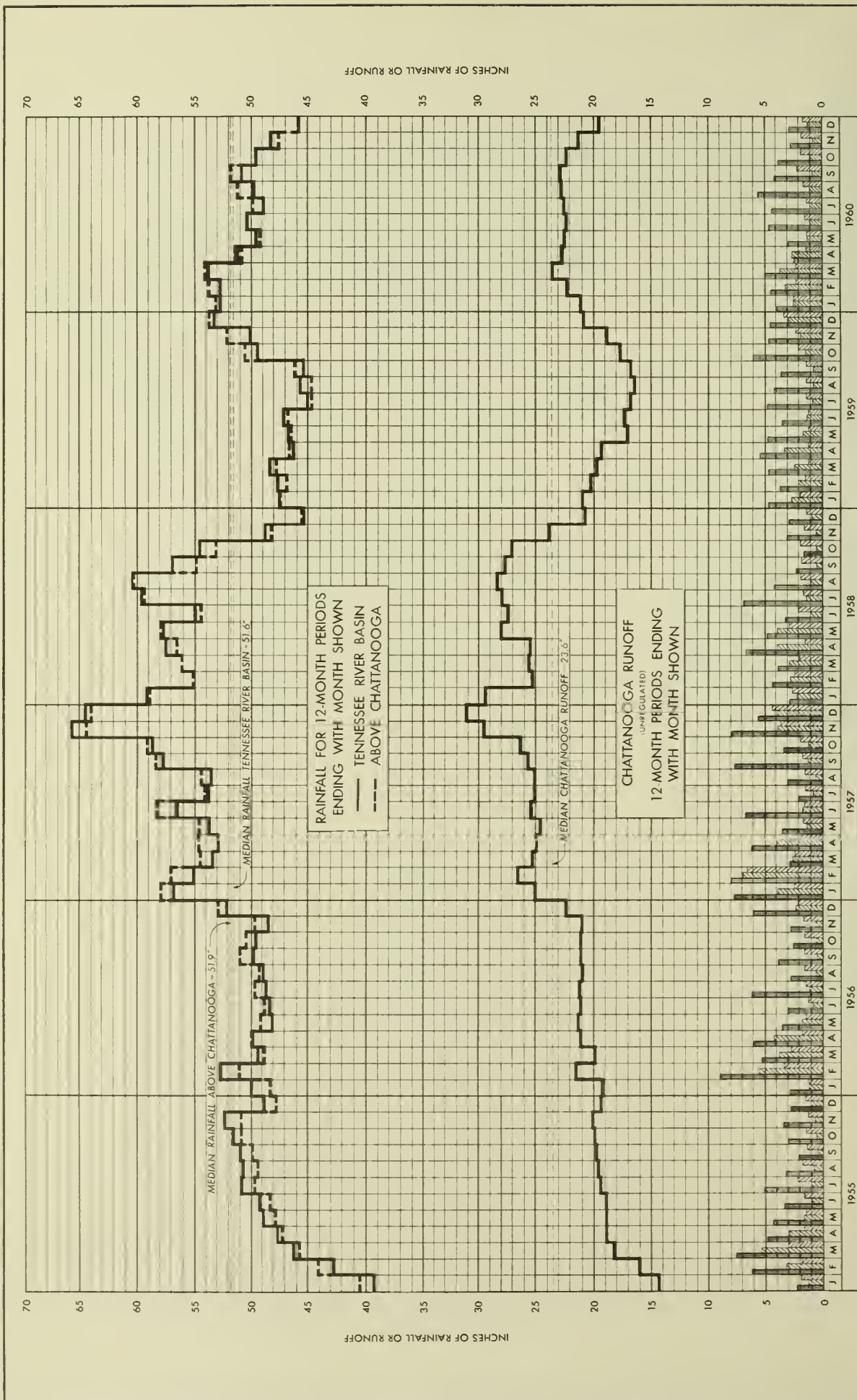
Note: 25-Year Averages Based on 1935-1959 Averages.



RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

<u>Stream</u>	<u>Station</u>	<u>Drainage Area sq.mi.</u>	<u>January 1 - December 31, 1960</u>			<u>Runoff in Percent of Rainfall</u>	<u>Rainfall Minus Runoff inches</u>
			<u>Rain- fall inches</u>	<u>Debar- ture inches</u>	<u>Run- off inches</u>		
Big Sandy River	Bruceton	205	38.7	-14.5	8.8	22.7	29.9
Duck River	Hurricane Mills	2571	44.0	-7.4	16.7	38.0	27.3
Bear Creek	Bishop	667	52.5	-1.2	20.8	39.6	31.7
Elk River	Prospect	1784	46.5	-8.0	18.0	38.7	28.5
Paint Rock River	Woodville	320	51.6	-3.8	23.5	45.5	28.1
South Chickamauga Creek	Chickamauga	428	47.4	-6.0	17.7	37.3	29.7
Toccoa River	Dial	177	57.3	-8.9	33.7	58.8	23.6
Sewee Creek	Decatur	117	45.7	-7.4	17.2	37.6	28.5
Emory River	Oakdale	764	49.6	-3.4	24.5	49.4	25.1
Clinch River	Tazewell	1474	38.8	-6.4	14.5	37.4	24.3
Little Tennessee River	Needmore	436	59.9	-1.0	31.5	52.6	28.4
North Fork Holston River	Saltville	222	33.8	-7.7	14.0	41.4	19.8
Little Pigeon River	Sevierville	353	46.6	-7.9	18.4	39.5	28.2
French Broad River	Asheville	945	55.0	-2.0	30.0	54.5	25.0

Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions."
Runoff data are furnished by the U. S. Geological Survey and are tentative.



RAINFALL AND RUNOFF IN THE TENNESSEE RIVER BASIN

SYMBOLS:
 MONTHLY RAINFALL ABOVE CHATTANOOGA
 MONTHLY RUNOFF AT CHATTANOOGA (UNREGULATED)
 ACTUAL MONTHLY RUNOFF AT CHATTANOOGA (REGULATED)

EVAPORATION DATA—YEAR 1960

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Paris, Tenn.	0.97	1.21	2.55	5.40	5.78	5.57	5.96	6.26	5.07	2.82	2.02	0.92	44.67
Murphy, N. C.	0.87	0.93a	1.94a	4.06	5.18	4.64	5.36	4.42	3.58	2.43	1.45	0.73a	35.59a
Beetree Dam, N. C.	0.91a	1.06a	1.65a	4.37	5.42	4.78	4.85	4.30	3.00	1.78	1.44a	1.27a	34.83a
Jefferson City, Tenn.	1.05	1.28	2.43	4.66	5.33	5.65	6.06	4.63	4.10	2.55	1.29	0.86a	39.89a
Guntersville, Ala.	Established May 26, 1960				----	6.88	7.80	7.43a	4.99a	2.98	2.34	1.66	-----
Marion, Va.	Available from June 30, 1960				----	----	5.81	4.95	4.04	2.72	1.61	0.98a	-----
Precipitation (Inches)													
Paris, Tenn.	3.12	2.29	4.24	2.34	4.87	4.48	0.93	2.07	4.95	2.18	4.94	3.37	39.78
Murphy, N. C.	5.21	5.31	5.14	2.44	1.31	4.59	2.62	7.77	3.46	3.10	3.18	3.80	47.93
Beetree Dam, N. C.	3.81	4.57	4.66	2.43	3.05	5.52	5.26	6.43	3.27	5.12	1.35	1.33	46.80
Jefferson City, Tenn.	3.27	3.07	4.50	2.16	2.71	6.01	4.65	4.06	1.31	4.43	2.94	2.68	41.79
Guntersville, Ala.					----	3.49	1.87	10.11	4.15	2.64	3.68	4.02	-----
Marion, Va.					----		5.40	4.06	1.57	3.01	1.79	2.52	-----
Average Air Temperature (Degrees F)													
Paris, Tenn.	39	35	34	61	62	73	76	77	71	58	47	33	56
Murphy, N. C.	39	37	36	58	62	70	75	73	68	59	47	33	55
Beetree Dam, N. C.	35	33	32	55	58	66	69	69	63	54	43	32	51
Jefferson City, Tenn.	38	36	34	59	62	70	73	73	69	58	44	32	54
Guntersville, Ala.					--	77	81	79	74	64	51	40	--
Marion, Va.					--		70	71	65	54	41	27	--
Average Water Temperature (Degrees F)													
Paris, Tenn.	41a	41a	43a	63	69	79	84	84	78	64	51	36a	61a
Murphy, N. C.	44a	45	47a	64a	71	81	85	83	77	66	51	39a	63a
Beetree Dam, N. C.	40a	37a	38a	59a	67	76	79	78	71	58	46a	35a	57a
Jefferson City, Tenn.	43	43	43a	63	68	78	83	82	76	64	50a	37a	61a
Guntersville, Ala.					--	82	86	84	80	68	53	44	--
Marion, Va.					--		76	77	70	58	45	34a	--
Average Relative Humidity (Percent)													
Paris, Tenn.	80	73	68	60	72	74	75	73	71	71	69	75	72
Murphy, N. C.	80	81	73	70	72	84	81	86	85	86	81	80	80
Beetree Dam, N. C.	79	73	72	66	70	83	87	93	94	89	91	87	82
Jefferson City, Tenn.	85	77	74	72	74	84	85	89	84	86	83	79	81
Guntersville, Ala.					--	80	79	84	85	86	82	74	--
Marion, Va.					--		75	80	77	78	70	66	--
Average Wind Velocity (Miles per Hour)													
Paris, Tenn.	0.92	0.82	0.61	0.91	0.47	0.15	0.07	0.09	0.05	0.12	0.60	0.96	0.48
Murphy, N. C.	0.42	0.69	0.72	0.46	0.43	0.13	0.12	0.08	0.27	0.22	0.32	0.39	0.35
Beetree Dam, N. C.	1.29	1.78	1.79	1.36	1.14	0.49	0.44	0.34	0.55	0.55	1.03	1.29	1.00
Jefferson City, Tenn.	0.76	1.05	1.00	0.89	0.63	0.52	0.24	0.19	0.20	0.28	0.33	0.43	0.54
Guntersville, Ala.	Anemometer installed July 12, 1960							0.40	0.71	0.69	1.43	2.15	-----
Marion, Va.							1.18	0.95	1.27	1.30	1.89	2.44	-----

a = Partly computed.

MONTHLY AND ANNUAL RAINFALL AND RUNOFFTENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
--	------	------	------	------	-----	------	------	------	-------	------	------	------	--------

Rainfall in Inches 1890 - 1960

1960	3.95	4.36	4.95	2.30	2.85	4.56	4.31	5.55	4.06	3.72	2.61	2.80	46.02
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	7.69	8.37	10.30	9.98	64.09
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.02	1.25	0.77	0.17	0.44	1.06	37.23
Mean (a)	4.57	4.67	5.30	4.19	4.10	4.44	5.28	4.50	3.26	2.89	3.24	4.55	50.99
Median (a)	4.24	4.46	5.08	4.18	3.80	4.46	5.05	4.15	3.14	2.48	3.00	4.22	51.93

(a) For Period 1890 - 1959

Runoff in Inches 1874 - 1960
(Unregulated)

1960	2.43	3.13	3.61	2.52	1.23	1.01	1.03	1.00	0.76	0.97	0.74	1.14	19.57
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean (b)	3.05	3.27	3.74	2.98	2.02	1.44	1.33	1.14	0.85	0.79	1.11	1.92	23.64
Median (b)	2.81	3.09	3.25	2.71	1.80	1.26	1.12	0.94	0.70	0.70	0.84	1.68	23.59

(b) For Period 1874 - 1959

Runoff in Cubic Feet Per Second 1874 - 1960
(Unregulated)

1960	45,100	62,100	67,100	48,300	22,900	19,400	19,100	18,600	14,600	18,000	14,300	21,100	30,800
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean (a)	56,600	64,900	69,400	57,200	37,500	27,600	24,700	21,200	16,300	14,700	21,300	35,600	37,200
Median (a)	52,200	61,300	60,300	52,000	33,400	24,200	20,800	17,400	13,400	13,000	16,100	31,200	37,200

(a) Based on Period 1890 - 1959

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u> 1960
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>ELIZABETHTON, TENNESSEE (69 Years)</u>						
January	3.46	8.13	1947	0.46	1896	2.61
February	3.40	7.59	1944	0.48	1906	3.17
March	4.20	10.72	1899	1.37	1937	3.16
April	3.37	6.05	1912	0.65	1942	2.26
May	4.06	7.73	1915	1.08	1941	2.23
June	4.69	16.38	1872	1.33	1946	3.45
July	5.17	10.56	1896	1.10	1872	5.97
August	4.39	12.14	1901	0.89	1896	3.45
September	2.88	7.61	1928	0.30	1903	1.68
October	2.50	7.61	1918	0.02	1904	5.84
November	2.35	5.02	1948	0.61	1931	1.69
December	3.32	9.87	1872	0.80	1935	2.24
Annual	43.79	58.91	1928	29.06	1941	37.75

HENDERSONVILLE, NORTH CAROLINA (64 Years)

January	4.70	12.40	1906	0.39	1907	4.48
February	4.67	10.73	1891	0.54	1930	7.31
March	5.39	11.67*	1891	0.96	1930	6.98
April	4.35	9.38	1920	0.43	1915	3.99
May	4.46	12.70	1942	0.95	1914	4.09
June	5.17	11.56	1934	0.96	1911	2.79
July	6.14	22.09	1916	1.72	1957	2.75
August	5.87	26.58	1901	0.49	1925	10.75
September	4.45	14.00	1906	0.22	1919	3.61
October	4.08	14.59	1918	0.01	1904	4.15
November	3.30	12.54	1948	0.21	1910	0.76
December	5.10	12.85	1918	0.93	1955	1.43
Annual	57.68	92.60	1901	32.55	1925	53.09

* Also Maximum for March 1952

KNOXVILLE, TENNESSEE (90 Years)

January	4.69	16.98	1882	1.29	1907	3.31
February	4.71	12.52	1873	0.56	1898	2.38
March	5.08	13.35	1917	0.72	1910	4.64
April	4.23	17.32	1874	0.70	1942	1.83
May	3.74	8.81	1938	0.71	1941	1.80
June	4.14	11.83	1928	1.39	1936	7.16
July	4.59	13.16	1917	0.69	1901	2.06
August	3.85	11.33	1920	1.10	1953	3.76
September	2.85	10.78	1944	0.22	1879	3.65
October	2.55	9.51	1925	0.07	1904	5.54
November	3.35	11.69	1948	0.17	1890	2.46
December	4.33	12.34	1901	0.95	1896	2.72
Annual	48.11	73.87	1875	33.67	1930	41.31

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u> <u>1960</u>
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MURPHY, NORTH CAROLINA (86 Years)</u>						
January	5.59	14.85	1882	1.75	1907	5.16
February	5.69	15.10	1873	0.56	1906	5.41
March	6.22	15.34	1917	2.09	1918	5.47
April	4.79	15.40	1874	0.30	1915	2.46
May	4.01	11.25	1929	0.46	1941	1.27
June	4.97	9.31	1884	0.98	1958	4.48
July	5.64	13.42	1950	0.89	1957	2.61
August	4.97	13.96	1920	0.95	1953	7.70
September	3.28	7.44	1951	0.20	1876	3.50
October	3.06	9.27	1949	T	1904	3.03
November	3.79	13.18	1948	0.51	1924	3.12
December	5.21	12.98	1932	1.09	1898	3.47
Annual	57.22	84.80	1875	40.00	1940	47.68

CHATTANOOGA, TENNESSEE (82 Years)

January	5.30	14.74	1882	1.33	1907	4.96
February	5.02	12.30	1939	0.62	1941	4.02
March	5.82	14.05	1899	0.93	1910	6.36
April	4.65	15.29	1911	0.44	1942	2.69
May	3.86	12.00	1929	0.54	1941	1.09
June	4.02	9.40	1949	0.29	1931	3.59
July	4.57	13.49	1916	0.20	1957	2.72
August	3.82	12.36	1920	0.45	1929	2.52
September	3.17	12.19	1957	0.04	1919	5.92
October	2.99	11.91	1925	0.08	1938	3.77
November	3.58	13.59	1948	0.16	1890	2.68
December	5.05	11.69	1942	0.44	1889	4.19
Annual	51.85	72.37	1929	32.68	1904	44.51

LEWISBURG, TENNESSEE (67 Years)

January	5.32	17.05	1950	1.26	1943	3.88
February	5.16	13.14	1939	1.08	1941	4.29
March	5.85	12.50	1902	0.94	1910	6.10
April	4.49	12.60	1912	0.56	1915	1.64
May	4.01	8.50	1933	0.60	1941	2.49
June	3.97	13.46	1900	0.72	1899	4.35
July	4.33	9.85	1941	0.84	1954	2.95
August	3.94	11.40	1923	0.57	1909	2.33
September	3.20	12.41	1957	0.32	1927	4.36
October	2.92	8.88	1919	0.05	1924	4.38
November	3.79	10.27	1948	0.46	1953	2.74
December	4.82	11.71	1922	0.77	1958	2.56
Annual	51.80	66.62	1950	37.42	1904	41.96

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u> 1960
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MUSCLE SHOALS, ALABAMA* (77 Years)</u>						
January	5.21	13.09	1950	1.98	1914	5.11
February	5.11	13.64	1948	0.54	1941	2.85
March	5.75	16.15	1897	1.26	1910	6.41
April	4.58	16.07	1892	0.74	1930	1.87
May	3.88	11.29	1939	0.16	1941	2.95
June	4.05	13.87	1900	0.60	1897	4.10
July	4.49	14.60	1916	0.77	1935	1.32
August	3.73	10.60	1894	0.35	1948	1.79
September	2.99	7.87	1890	0.00	1897	4.71
October	2.65	11.05	1918	0.00	1924	4.59
November	3.51	11.39	1948	0.16	1949	3.90
December	4.83	14.59	1926	0.83	1958	3.56
Annual	50.78	76.21	1932	30.92	1943	43.16

* Before December 1940, this station was at Florence, Alabama.

JOHNSONVILLE, TENNESSEE* (77 Years)

January	5.54	23.51	1937	0.64	1944	2.21
February	4.31	9.56	1939	0.79	1947	2.21
March	5.20	13.07	1927	0.59	1910	3.43
April	4.66	12.29	1892	0.53	1887	2.90
May	4.27	10.19	1909	0.48	1951	2.61
June	4.04	13.34	1928	0.37	1930	4.43
July	4.09	10.12	1892	0.06	1890	1.71
August	3.72	13.70	1914	0.34	1948	2.53
September	3.43	11.31	1921	0.00	1897	2.03
October	2.85	11.44	1919	T	1924	1.59
November	4.16	11.90	1906	0.74	1949	3.30
December	4.51	14.66	1926	0.05	1889	3.53
Annual	50.78	76.17	1950	32.48	1960	32.48 ^a

* Since August 1949, records collected at Johnsonville Steam Plant have been used.

a = New Annual Minimum

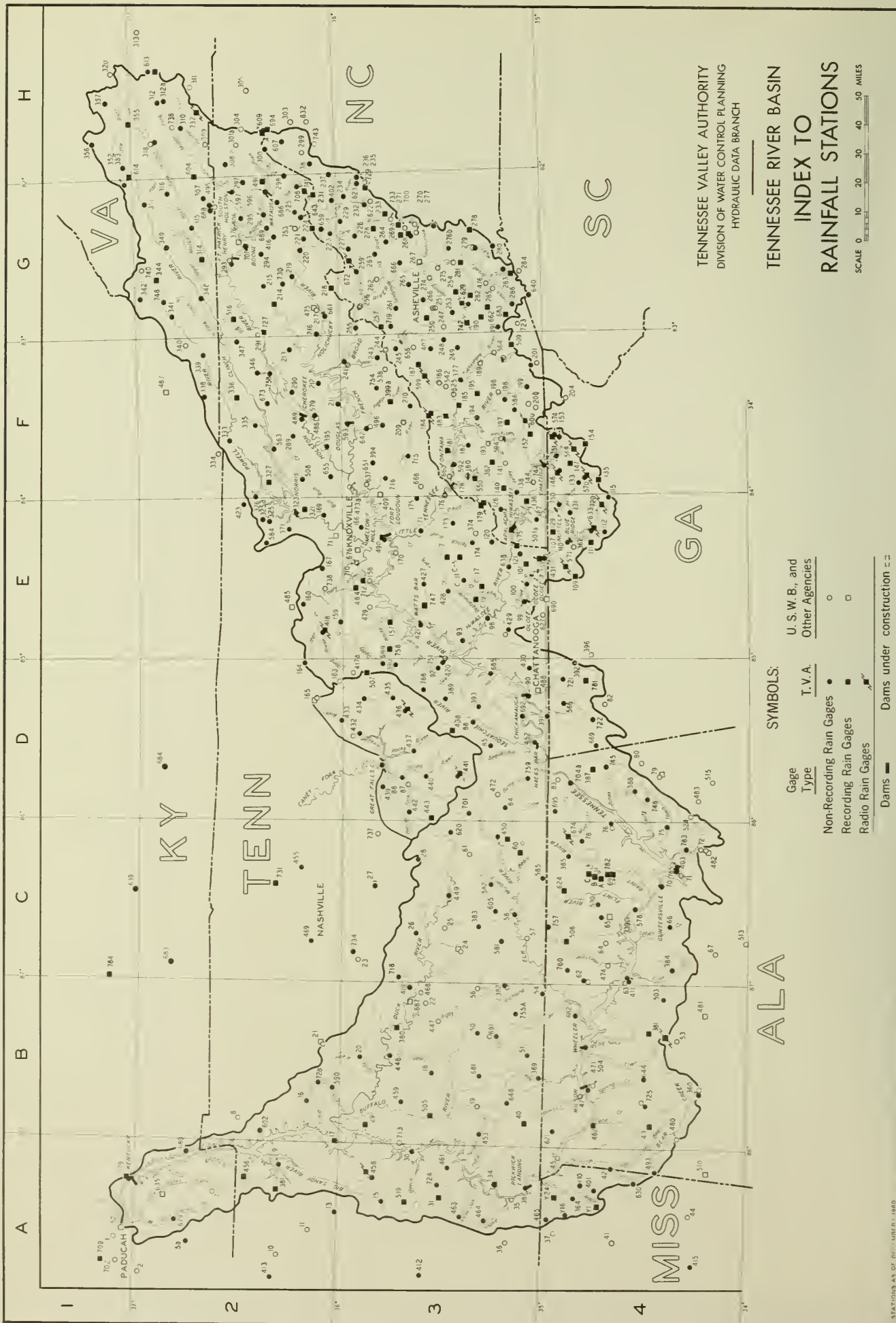
MAXIMUM PRECIPITATION
FOR VARIOUS TIME INTERVALS DURING 1960

<u>Number</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration hours</u>	<u>Precip- itation inches</u>
461	Dunbar, Tenn.	June 13	0.5	1.10
745	Ider, Ala.	June 16	0.8	2.20
711	Oak Ridge WB, Tenn. (R)	Aug. 10	1.0	3.43
711	Oak Ridge WB, Tenn. (R)	Aug. 10	5.0	7.45*
640	Sassafras Mountain, S. C.	Aug. 7-13	168	9.30
286	Rosman No. 2, N. C.	Aug. 1-31	744	13.81
286	Rosman No. 2, N. C.	Aug.-Sept.	1464	22.03
200C	Coweeta No. 8, N. C.	Jan.-Apr.	2904	33.96
662	Gloucester Gap, N. C. (R)	Jan.-June	4368	45.07
200C	Coweeta No. 8, N. C.	Jan.-Sept.	6576	68.74
200C	Coweeta No. 8, N. C.	Jan.-Dec.	8784	84.73

* Also maximum for 24 hours.

(R) Recording gage.

Figures in the "mean or normal" column in the following tabulation are determined as follows: For U. S. Weather Bureau stations the figures are long-term means computed by the Weather Bureau. For TVA and other agency stations with 15 or more years of record through 1959, the figures are normals adjusted to the 25-year period 1935-1959. For TVA and other agency stations with 5 to 15 years of record, the figures are running averages for the period of record. No means are listed for records of less than 5 complete years.



HYDRAULIC DATA BRANCH

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(#)	Interpolated or partly interpolated.	(R)	Recorder at present.
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ANNUAL 1960 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev. of Record	Year of Record	PRECIPITATION—In Inches												Y E A R		Depth of Snow (Inches)				
						JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Year's Total					
TENNESSEE RIVER - FROM JOHNSVILLE TO FLORENCE (CONT'D.)																								
34A	SAVANNAH R.	A-3	TVA	450	16	3-71	6-50	4-30	5-21	1-67	4-73	2-03	3-79	3-22	2-80	2-98	2-89	4-26	3-82	4-53	36-06	51-13	----	
46A	LEAMWOOD, NEAR	A-3	TVA	540	21	4-50	6-13	5-55	5-46	2-03	4-81	2-03	3-13	3-22	2-10	2-63	3-35	4-72	3-79	4-80	45-40	51-07	18-5	
55	SHILOH	A-3	USDI	475	50	4-44	6-70	5-74	4-26	2-43	4-02	2-77	3-61	3-41	3-44	3-44	2-83	4-39	3-70	4-80	45-40	52-99	29-3	
35	SEIGER	A-3	USWB	470	37	4-37	6-37	5-88	5-45	1-45	4-50	3-10	3-80	2-92	4-17	2-95	3-16	4-43	4-43	4-87	42-48	52-16	18-4	
45A	ATLANTA, NEAR	A-3	TVA	510	21	5-53	6-98	5-88	6-18	6-74	5-47	2-97	4-70	3-20	3-71	2-73	4-00	4-55	3-28	4-55	46-80	52-72	23-7	
37	ORVILLE	A-4	USWB	470	75	5-38	6-34	5-40	5-71	2-17	4-68	2-28	4-04	4-10	3-43	4-05	3-05	3-88	2-74	4-08	4-09	42-04	52-54	14-5
TENNESSEE RIVER - FLORENCE TO FLORENCE																								
38	PICOWICK LANDING DAM R.	A-3	TVA	479	26	5-40	6-42	6-09	5-12	2-95	4-63	1-84	3-60	4-67	3-09	3-66	2-86	4-63	3-34	4-66	43-40	50-91	17-0	
Y24	LAMES CHAPEL SCHOOL R.	A-4	TVA	640	2	5-74	6-13	6-24	5-52	3-39	4-08	3-06	3-37	4-46	3-17	4-46	3-09	4-63	3-34	4-66	47-40	51-10	17-0	
Y16	GLENS	A-4	TVA	600	2	5-53	6-19	6-24	5-52	3-39	4-08	3-06	3-37	4-46	3-17	4-46	3-09	4-63	3-34	4-66	47-40	51-10	17-0	
36A	BIRNHEAD SUBSTA	A-4	TVA	430	23	5-36	6-19	6-24	5-52	2-78	5-07	3-96	4-08	3-64	3-37	1-77	3-78	4-36	3-72	3-22	5-05	47-51	53-10	
Y10	ITKA	A-4	TVA	600	2	5-53	6-19	6-24	5-52	3-39	4-08	3-06	3-37	4-46	3-17	4-46	3-09	4-63	3-34	4-66	47-40	51-10	17-0	
401	MIDWAY	A-4	TVA	560	22	5-66	6-21	6-10	5-77	3-11	4-84	2-03	3-92	4-49	3-01	2-77	3-31	4-02	3-57	4-94	51-59	58-77	16-5	
Y1	CALICO, NEAR R.	A-4	TVA	530	2	5-35	6-01	6-01	5-33	3-10	4-76	2-35	3-48	4-49	3-01	2-84	3-47	4-65	3-76	5-63	49-78	54-42	----	
42	BOONEVILLE	A-4	USWB	504	66	5-30	6-17	6-01	5-33	3-10	4-76	2-35	3-48	4-49	3-01	2-84	3-47	4-65	3-76	5-63	49-78	54-42	15-3	
43	BELGREEN R.	B-4	TVA	810	26	6-53	5-93	7-32	6-22	2-95	5-06	2-45	3-42	4-27	3-23	7-86	2-94	4-24	2-76	4-72	53-10	53-37	19-2	
725	RUSSELLVILLE	B-4	TVA	755	8	6-53	5-93	7-32	6-22	2-95	5-06	2-45	3-42	4-27	3-23	7-86	2-94	4-24	2-76	4-72	53-10	53-37	19-2	
725A	RUSSELLVILLE, NEAR	B-4	USWB	740	7	6-53	5-93	7-32	6-22	2-95	5-06	2-45	3-42	4-27	3-23	7-86	2-94	4-24	2-76	4-72	53-10	53-37	19-2	
465	THIRLINGO	A-4	USWB	560	20	5-35	6-17	6-01	5-33	3-10	4-76	2-35	3-48	4-49	3-01	2-84	3-47	4-65	3-76	5-63	49-78	54-42	----	
465A	THIRLINGO, NEAR	A-4	TVA	585	18	5-35	6-17	6-01	5-33	3-10	4-76	2-35	3-48	4-49	3-01	2-84	3-47	4-65	3-76	5-63	49-78	54-42	15-7	
473	RED BAY	A-4	TVA	680	20	5-35	6-17	6-01	5-33	3-10	4-76	2-35	3-48	4-49	3-01	2-84	3-47	4-65	3-76	5-63	49-78	54-42	15-7	
480	HODGES	B-4	USWB	570	23	6-73	5-98	7-18	6-16	2-76	4-94	2-89	3-85	5-25	3-73	7-95	2-09	3-29	2-93	2-86	49-63	53-17	----	
510	BEAR R.	A-4	USWB	559	24	6-19	5-16	6-72	5-75	2-84	4-41	2-73	3-10	4-01	3-01	6-44	2-38	4-07	3-10	5-07	55-42	58-91	----	
44	FULTON	A-4	USWB	535	28	7-10	5-25	7-03	6-18	2-95	5-63	2-25	4-13	3-31	3-13	2-73	3-34	4-08	3-41	3-02	5-36	43-03	50-10	
300C	BAILEYVILLE	B-4	TVA	930	2	5-21	6-61	8-34	6-27	2-62	4-86	1-55	3-43	5-43	3-00	5-80	3-07	4-15	4-00	3-39	4-61	45-37	49-46	
300	BAILEYVILLE	B-4	USWB	910	24	6-16	6-61	8-34	6-27	2-62	4-86	1-55	3-43	5-43	3-00	5-80	3-07	4-15	4-00	3-39	4-61	45-37	49-46	
421	WATERLOO	A-4	USWB	410	64	5-44	6-29	6-26	5-91	3-12	4-57	2-30	3-39	4-74	3-02	5-14	2-40	3-65	3-10	4-04	45-37	51-11	16-0	
625	YOUNGS STORE, NEAR	B-4	TVA	730	16	4-90	7-11	6-90	6-18	3-49	4-31	4-12	3-77	4-42	3-00	2-88	4-89	3-75	5-14	4-55	51-85	53-0		
462	COLBERT STEAM PLANT R.	B-4	TVA	470	9	4-93	5-21	1-89	5-60	6-21	4-25	2-52	4-13	3-31	3-13	2-73	3-34	4-08	3-41	3-02	5-36	43-03	50-10	
TENNESSEE RIVER - FLORENCE TO GUNTERVILLE																								
47	FLORENCE	B-4	USWB	598	63	4-86	5-67	6-24	5-27	1-05	4-61	2-60	3-34	3-10	3-21	3-37	4-18	4-06	3-05	3-72	2-78	5-43	49-46	
504	MIDDLE SHOALS	B-4	USWB	534	27	5-11	5-24	2-95	5-73	6-10	4-45	1-87	4-45	2-95	3-39	4-10	3-23	4-71	2-84	4-59	2-43	4-31	49-33	
471	WILSON DAM	B-4	TVA	530	27	5-15	5-28	3-62	6-22	7-10	5-55	1-97	4-77	3-13	3-30	2-81	3-48	4-50	3-13	4-17	2-42	4-74	43-52	
369	IRON CITY	B-3	TVA	590	41	4-61	6-01	4-06	6-37	6-76	6-15	1-99	4-71	2-92	4-27	2-89	4-00	3-32	2-87	4-70	3-07	8-80	2-65	
448	COLLINSWOOD	B-3	TVA	920	12	4-72	6-83	3-88	6-31	6-99	5-92	2-74	4-76	4-23	4-31	5-10	4-68	1-31	3-96	3-77	2-87	3-83	3-49	
691	OVIOLA	B-3	TVA	970	13	4-20	7-35	4-50	6-34	6-37	5-99	3-53	4-85	2-63	4-32	5-37	4-17	3-80	4-25	1-67	2-81	5-60	3-21	
51	LORETTA	B-3	TVA	940	33	4-37	6-43	3-92	6-14	6-11	6-11	2-94	4-75	2-48	4-06	6-34	3-22	1-29	4-95	3-64	3-17	3-68	3-02	
631	LAWRENCEBURG	B-3	USWB	947	6	4-37	6-43	4-78	6-16	6-11	6-05	1-97	4-66	2-87	4-12	5-79	3-38	3-63	3-18	3-74	3-44	6-40	3-02	
631A	LAWRENCEBURG	B-3	USWB	947	6	4-37	6-43	4-78	6-16	6-11	6-05	1-97	4-66	2-87	4-12	5-79	3-38	3-63	3-18	3-74	3-44	6-40	3-02	
50	KIRKBRIDGE	B-3	TVA	975	25	3-70	5-23	4-50	6-07	7-05	5-32	2-10	4-61	3-82	3-86	4-59	3-37	1-10	4-26	2-47	3-33	4-71	3-13	
54	WHEELER DAM	B-4	TVA	695	17	4-27	6-20	3-16	5-49	6-99	5-09	2-05	5-15	3-38	3-68	2-43	3-63	1-84	4-66	4-29	3-35	2-84	4-77	
52	WHEELER DAM	B-4	TVA	590	25	5-67	6-08	6-10	6-16	6-77	5-72	1-86	4-61	2-79	3-54	2-52	3-38	1-97	4-21	3-26	3-29	3-49	3-19	
682	BRIDGEMAN SPRING	B-4	TVA	610	13	5-95	7-40	6-99	5-42	2-08	4-44	3-51	4-29	4-80	4-15	0-77	5-24	3-43	2-95	4-33	3-80	5-94	2-48	
381	MULLEN R.	B-4	TVA	660	22	5-32	5-50	3-48	5-85	7-64	5-38	2-19	3-99	4-46	3-37	3-06	3-75	1-34	3-97	7-42	3-70	3-67	1-74	
381A	MULLEN, RADIO	B-4	TVA	660	22	5-32	5-50	3-48	5-85	7-64	5-38	2-19	3-99	4-46	3-37	3-06	3-75	1-34	3-97	7-42	3-70	3-67	1-74	
43	CENTRAL POWER	B-4	USWB	900	26	5-25	5-68	4-92	5-79	7-10	5-89	3-25	4-25	3-68	3-67	3-84	3-42	1-37	4-69	5-32	3-29	7-07	2-68	
481	ADDISON R.	B-4	USWB	875	23	5-45	5-63	4-88	5-79	7-18	5-36	1-45	4-05	3-48	3-16	1-13	4-02	1-37	4-31	2-57	3-77	5-26	3-03	
760	NEAR ELK MOUNTAIN, ALA.	B-4	TVA	763	10	4-90	5-25	4-90	5-25	2-95	4-63	1-84	3-60	3-38	2-92	3-74	3-38	5-90	3-16	5-07	5-07	5-07	21-0	
52	ATHENS, ALABAMA	C-4	TVA	710	26	5-01	6-43	6-06	5-89	1-44	4-49	1-47	3-66	4-63	3-39	1-74	4-94	4-03	3-29	5-46	3-07	6-62	2-51	
63	DEATON	C-4	USWB	720	82	5-44	5-56	4-12	5-21	7-37	5-77	2-02	4-33	4-90	3-12	4-68	3-15	5-44	4-45	2-08	3-36	6-00	2-86	
63B	DEATON NO. 2	C-4	TVA	565	14	5-31	6-75	6-55	5-70	8-55	5-70	2-00	4-30	4-40	3-68	4-22	3-49							

[illegible]

(#) Interpolated or partly interpolated. (R) Recorder at present.

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yr. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R	Depth of Snow (inches)	
						Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't	Total	Nor't			Total
TENNESSEE RIVER - GUNTERSVILLE TO CHICKAMAUGA (CONT'D)																																
722	KENSINGTON	D-4	TVA	850	8	5.67	5.34	3.83	5.81	6.00	4.78	3.96	5.35	1.21	4.09	2.40	3.14	2.00	3.89	5.20	2.68	7.69	4.05	3.91	2.95	3.45	4.12	3.35	4.48	#47.97	50.68	
723	LACKEYVILLE	D-4	USNB	850	28	5.44	5.77	4.20	5.16	5.94	5.94	2.62	4.88	3.32	3.69	1.00	4.18	3.09	4.69	5.89	4.32	6.85	3.50	3.46	2.76	3.30	4.03	2.89	4.16	#47.20	54.28	
724	REYNOLDS GAP R	D-4	TVA	1280	8	5.07	5.17	3.69	6.01	6.22	4.52	2.92	5.32	1.86	3.76	1.33	2.70	3.41	3.88	5.39	3.95	7.19	3.90	3.60	2.50	3.84	4.17	3.40	4.47	47.82	49.55	
721	REYNOLDS	D-4	TVA	815	8	5.07	5.17	3.69	6.01	6.22	4.52	2.92	5.32	1.86	3.76	1.33	2.70	3.41	3.88	5.39	3.95	7.19	3.90	3.60	2.50	3.84	4.17	3.40	4.47	47.82	49.55	
392	TUNNEL HILL	D-4	USNB	880	22	5.35	5.45	3.86	5.99	7.01	5.42	2.48	4.22	2.91	3.99	2.40	4.10	4.11	4.43	4.34	6.96	6.95	3.72	3.17	2.63	3.38	2.96	4.04	2.96	5.45	50.19	54.04
395	DALTON	D-4	USNB	800	23	5.38	5.79	4.14	5.96	6.39	5.81	2.31	5.00	3.29	4.68	2.92	3.93	4.66	4.97	6.34	3.97	4.53	4.53	3.15	2.61	3.14	4.15	3.28	4.74	50.19	54.04	
CANEY ISLAND ABOVE ROCK ISLAND																																
88	ROCK ISLAND POWERHOUSE	D-3	TVA	900	46	4.13	6.06	3.95	5.73	4.54	5.36	1.78	4.68	3.66	4.07	4.02	3.89	6.79	7.73	3.09	3.99	1.89	3.14	2.08	2.82	3.26	4.17	3.02	5.08	45.31	52.61	
433	FRANKLIN	D-3	TVA	1000	21	4.70	5.20	3.27	5.07	4.56	5.12	1.70	4.58	3.29	3.27	4.02	6.11	6.13	3.45	3.55	3.15	5.25	3.11	2.82	2.08	3.41	4.15	3.11	4.80	#48.37	51.87	
440	IRVING COLLEGE	D-3	TVA	1090	21	4.27	5.10	3.61	5.12	4.61	4.68	1.36	3.69	2.31	3.27	4.78	3.76	3.27	4.41	3.21	3.58	7.52	3.17	2.47	2.00	2.69	3.60	2.56	4.49	#42.59	46.87	
441	ALBANY	D-3	TVA	1200	21	4.58	6.58	4.76	6.32	5.97	5.94	1.84	5.07	2.03	4.27	4.77	4.33	2.50	4.24	5.21	3.69	5.81	3.44	4.19	2.19	3.76	4.46	3.78	5.56	#49.20	56.09	
442	ALBANY	D-3	USNB	1015	78	3.82	5.74	3.63	5.69	5.41	5.62	1.56	3.77	3.22	3.83	2.98	4.24	7.84	4.36	3.39	4.15	5.87	3.22	2.15	2.49	3.31	3.90	3.89	5.04	47.02	51.61	
87	MCINTOSHVILLE	D-3	USNB	1015	78	3.82	5.74	3.63	5.69	5.41	5.62	1.56	3.77	3.22	3.83	2.98	4.24	7.84	4.36	3.39	4.15	5.87	3.22	2.15	2.49	3.31	3.90	3.89	5.04	47.02	51.61	
87B	MCINTOSHVILLE	D-3	TVA	1000	19	3.76	6.27	3.07	5.84	4.56	4.88	1.74	3.77	3.27	4.06	4.77	4.20	6.06	5.05	3.11	3.82	1.87	5.61	4.18	1.97	1.94	3.11	3.90	3.10	4.98	#43.94	52.89
442	MCINTOSHVILLE	D-3	TVA	980	21	3.28	5.97	3.07	5.88	4.86	5.12	1.95	3.83	3.33	3.62	4.78	3.68	4.06	5.91	4.65	4.01	5.24	3.47	2.51	2.08	3.39	3.49	2.55	5.09	43.78	51.60	
443	SOMMERSVILLE	D-3	TVA	1120	21	3.39	6.17	2.75	6.02	5.22	5.31	0.99	3.93	3.00	3.03	4.44	3.74	3.91	5.94	4.13	3.45	7.43	3.62	2.37	2.32	3.29	4.10	3.50	4.72	#48.13	52.35	
437	ROCKY RIVER	D-3	TVA	900	21	4.40	5.70	4.45	5.63	5.06	5.17	1.30	4.14	2.93	3.74	3.77	4.66	7.08	4.92	4.13	4.51	6.00	4.65	2.56	2.32	3.34	3.96	2.61	4.91	47.63	51.31	
432	SPARTA	D-3	TVA	990	44	4.07	6.22	3.60	5.77	5.39	5.42	1.75	4.41	4.16	4.13	3.93	4.13	5.40	4.46	2.88	4.14	6.09	3.47	2.43	2.28	3.31	4.10	3.68	5.02	47.29	53.35	
432A	SPARTA, NEAR	D-3	USNB	990	21	#2.08	6.26	3.40	5.60	#5.39	5.15	1.86	4.33	3.77	3.87	4.64	4.18	7.22	4.45	2.13	3.45	6.11	3.95	2.22	2.21	3.56	4.10	3.50	4.72	#48.13	52.35	
433	TAILORS	D-2	TVA	950	21	3.99	6.13	3.72	5.46	4.98	5.36	2.18	4.10	3.80	3.76	3.92	4.84	3.46	7.23	4.70	2.84	3.46	5.67	3.74	2.57	2.27	4.32	4.27	3.25	5.18	49.24	52.59
165	MONTREY	D-2	USNB	1900	29	3.50	7.01	3.71	6.07	5.12	5.92	1.87	4.98	3.60	4.15	6.42	4.84	4.88	4.47	4.88	4.84	5.40	3.93	4.15	2.86	4.19	4.78	3.17	5.94	59.34	64.6	
434	EASTLAND	D-3	TVA	1750	43	4.51	6.21	4.51	5.89	6.48	5.90	1.94	4.67	3.52	3.86	4.44	4.68	6.43	4.60	3.32	4.25	5.67	3.49	3.46	2.78	3.69	4.11	3.35	5.55	53.12	55.59	
435	HERBERT	D-3	TVA	1695	21	5.04	5.45	5.08	5.35	4.56	4.81	2.00	4.32	2.42	3.48	3.98	3.91	5.35	4.61	5.53	3.63	6.90	3.93	3.51	2.13	2.32	3.68	3.28	4.85	50.88	49.25	
436	FALLS CREEK PARK, RADIO	D-3	TVA	1500	13	#3.11	5.38	4.47	5.61	5.64	5.03	1.64	4.28	2.70	3.71	3.69	4.03	4.23	5.49	4.80	4.09	6.01	3.33	2.23	2.32	3.66	3.95	2.61	5.14	#45.27	52.36	
436A	FALLS CREEK PARK, RADIO	D-3	TVA	1500	13	3.2	5.4	4.1	5.6	5.4	5.4	1.9	2.9	2.9	3.4	3.4	4.3	4.3	5.6	3.25	3.94	5.29	3.50	2.79	3.38	3.97	3.32	4.92	44.98	52.94	49.92	48.5
TENNESSEE RIVER - CHICKAMAUGA TO MATS BAR																																
90	CHICKAMAUGA DAM	D-3	TVA	700	25	4.30	6.20	4.26	5.70	6.79	5.58	2.18	4.67	0.88	3.85	1.61	3.33	4.31	4.65	3.19	3.52	7.33	3.25	3.40	2.92	3.62	4.26	3.25	5.27	#45.12	53.80	
430	OUTPOST	D-3	TVA	765	21	5.24	5.73	3.94	5.93	7.36	5.48	2.02	4.36	1.16	3.56	2.95	3.83	4.10	4.68	2.35	3.90	7.40	3.24	3.01	2.72	3.58	3.75	3.10	4.82	46.21	51.40	
393	LEWIS DAM	D-3	TVA	1950	22	4.66	6.45	5.23	6.13	6.42	6.30	1.78	4.80	1.73	4.02	4.29	4.34	4.28	4.52	5.07	3.91	8.91	3.41	5.03	2.68	4.04	4.94	3.12	5.78	51.24	57.35	
685	FRIENDSHIP SCHOOL	D-3	TVA	725	13	4.85	6.67	5.26	6.13	6.93	6.10	2.49	4.93	1.41	3.74	2.93	4.15	3.15	5.05	4.48	3.97	8.08	4.46	3.71	2.89	3.22	4.04	5.01	5.21	49.95	57.54	
420	MORGANTOWN	D-3	TVA	740	21	3.77	5.88	4.43	5.67	6.83	5.96	2.51	4.75	1.72	3.74	5.09	4.26	2.28	2.85	2.21	3.97	9.18	3.48	2.96	2.66	3.21	4.25	3.14	5.24	47.93	53.98	
42	MORGAN SPRINGS	D-3	TVA	1900	26	3.83	6.64	4.89	6.04	7.57	6.05	3.36	5.16	2.46	4.09	4.48	4.50	2.88	5.94	2.76	4.61	10.08	3.29	3.76	3.33	3.58	4.77	3.14	5.56	51.17	59.58	
791	DALTON	D-3	USNB	864	4	3.64	#5.01	7.12	1.92	2.06	2.98	4.89	3.99	3.35	3.54	3.51	3.51	3.17	3.17	3.55	5.40	7.40	4.64	#2.63	4.39	3.38	3.97	3.32	4.92	44.98	52.94	
747	BOGE CROSSROAD R	D-3	TVA	780	5	3.95	5.64	3.89	5.89	5.64	5.64	1.64	4.28	1.28	3.77	3.51	3.51	3.47	4.70	3.49	3.25	5.29	3.50	6.00	2.79	3.38	3.97	3.32	4.92	44.98	52.94	
427	RIDGES STORE	E-3	TVA	1020	21	3.92	5.73	4.41	5.68	5.52	5.57	1.93	4.22	1.91	3.75	3.51	3.51	3.47	4.70	3.49	3.25	5.29	3.50	6.00	2.79	3.38	3.97	3.32	4.92	44.98	52.94	
TENNESSEE RIVER - MATS BAR TO KNOXVILLE																																
421	MATS BAR DAM	E-3	TVA	830	21	3.87	5.84	4.56	5.61	5.47	5.62	2.10	4.60	1.18	3.80	4.51	3.90	3.38	4.97	6.30	3.12	6.04	3.66	5.06	2.70	3.92	4.10	3.60	5.31	49.99	53.23	
796	JEANETT R	E-3	TVA	1880	3	4.28	4.85	4.85	5.67	6.40	6.40	2.95	4.78	2.08	2.45	3.38	3.49	3.49	2.45	3.49	3.12	7.85	3.02	2.77	3.76	3.76	3.76	3.76	3.76	46.21	51.78	
157	RODNEY R	E-3	TVA	765	25	3.64	5.87	4.13	5.67	6.43	5.25	2.19	4.58	2.24	3.62	4.01	5.01	4.01	5.01	3.49	3.13	8.09	3.02	2.77	3.76	3.76	3.76	3.76	3.76	46.21	51.78	
479	ROCKWOOD	E-3	PRIVATE	910	42	3.26	6.06	4.05	5.67	6.10	5.08	2.13	4.94	2.74	4.08	4.99	3.61	5.85	5.44	8.37	3.16	8.11	3.28	2.59	2.62	3.34	4.29	3.38	5.64	54.97	53.89	
170	LONDON	E-3	USNB	800	66	3.39	5.57	3.52	5.54	#6.08	3.84	1.94	3.78	1.83	3.42	4.77	3.66	2.99	5.15	7.15	3.57	7.16	2.74	7.00	2.61	2.34	3.56	3.16	4.80	53.63	48.04	
490	PORT LONDON DAM	E-3	TVA	890	20	3.57	5.79	3.36	5.99	5.29	5.08	1.78	4.01	0.97	3.72	4.37	2.85	2.12	5.25	#4.12	2.56	4.51	3.29	5.81	2.54	2.12	3.84	2.93	4.79	#40.55	49.31	
494	PORT LONDON DAM	E-3	TVA	880	20	3.88	5.79	3.61	5.99	4.90	5.08	2.02	4.01	1.18	3.72	5.09	2.85	2.79	5.25	4.64	2.56	4.90	3.29	6.04	2.54	2.12	3.84	2.93	4.79	#40.55	49.31	
637	U. S. COTTON FIELD STA.	E-3	USNB	895	26	3.56	5.37	2.61	5.13	5.47	5.08	1.89	4.00	1.12	3.63	3.65	2.99	5.03	3.49	3.10	4.23	2.81	6.52	2.44	2.79	3.78	3.28	4.33	44.99	48.35		
409	KNOXVILLE AIRPORT R	F-3	USNB	984	22	3.39	3.94	3.00	4.91	4.78	4.83	1.83	3.64	1.02	3.58	4.89	3.47	2														

ANNUAL 1960 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

(*) Interpolated or partly interpolated. (R) Recorder at present.

TENNESSEE VALLEY AUTHORITY

ANNUAL 1960 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

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						Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l		Total	No'r'l	Total	No'r'l			
FRENCH BROAD RIVER (CONT'D.)																																							
243	BARTYD	F-3	TVA	1260	26	3.36	4.29	4.11	4.23	3.68	4.63	1.99	3.83	3.09	4.03	5.92	4.55	4.61	6.62	11.41	4.68	2.35	2.72	3.32	2.51	1.74	3.00	2.02	3.26	2.78	3.15	3.91	2.75	4.77	3.71	4.76	4.81	30.5	
244	WATFORD	F-3	USNB	1440	30	3.07	4.26	4.50	4.20	3.52	4.53	2.23	3.97	3.01	3.71	5.36	4.71	5.18	6.81	8.62	4.61	3.13	2.98	3.56	2.48	1.74	2.78	2.72	3.15	2.78	3.15	3.91	2.75	4.77	3.71	4.76	4.81	30.5	
245	M.T. STERLING	F-3	USNB	2915	26	3.92	4.86	5.29	4.75	6.04	5.37	2.44	4.43	2.45	4.11	5.71	4.43	5.00	6.87	10.99	4.68	2.45	2.13	3.32	2.51	1.74	2.78	2.72	3.15	2.78	3.15	3.91	2.75	4.77	3.71	4.76	4.81	30.5	
656	CATALOCHEE	F-3	USDI	2620	16	4.63	2.27	4.77	4.59	4.38	5.37	2.22	3.87	2.82	3.71	5.30	4.04	5.35	7.15	5.51	4.33	2.94	3.16	2.55	2.75	2.05	3.78	2.82	4.09	3.34	3.04	3.30	3.34	50.54	52.0				
407	CATALOCHEE RANCH	F-3	TVA	4900	22	6.92	6.44	6.77	6.31	6.39	7.09	2.42	4.74	3.47	4.56	4.21	5.07	3.85	6.84	6.76	4.98	3.59	3.77	4.56	2.68	2.51	4.30	3.34	3.04	3.30	3.34	50.54	52.0						
247	MATTHEWSVILLE	F-3	USNB	2675	67	5.00	4.73	4.64	4.36	3.69	4.24	1.80	3.31	2.63	3.34	3.74	3.42	2.82	4.24	5.30	4.21	2.75	2.37	4.04	2.68	0.85	2.81	2.66	4.05	3.83	3.15	4.51	4.51	4.51	4.51	4.51	4.51	4.51	
248	EAGLESTON MOUNTAIN	F-3	TVA	4300	26	5.43	6.25	6.05	5.62	6.25	6.25	1.78	4.60	4.29	5.62	5.45	4.27	3.80	5.43	5.43	3.94	2.72	2.73	4.04	2.72	1.83	3.90	2.81	4.26	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	
290	CHAMBERS MOUNTAIN	F-3	TVA	4100	26	3.18	3.24	3.21	2.93	4.02	3.25	1.64	3.05	2.20	2.69	4.71	2.97	2.80	4.93	5.43	3.96	2.32	2.73	3.15	2.42	0.82	2.38	2.81	4.26	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
253A	CANTON	O-3	CP&D	2700	4	3.94	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42	4.42
291	CANTON	O-3	CP&D	2600	30	3.99	3.52	3.52	3.35	3.38	3.19	1.99	3.03	2.65	2.82	3.99	3.23	3.33	3.68	5.97	4.57	2.98	2.56	3.00	2.51	0.78	2.34	2.34	1.80	3.02	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51
292	MT. PEGASUS	O-3	TVA	3660	26	3.38	4.70	4.0	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48
294	MT. PEGASUS	O-3	TVA	3660	26	3.38	4.70	4.0	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48	4.48
659	BIG EAST FORK TIGERON	O-3	TVA	3410	18	8.03	6.65	8.90	6.49	3.45	3.55	4.56	6.48	4.16	5.27	7.94	5.31	2.31	7.42	7.28	5.56	4.80	7.64	5.14	5.26	1.97	6.38	2.61	6.43	45.75	77.49	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
742	BIG EAST FORK TIGERON	O-3	CP&D	3100	4	5.5	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
295	WOLF CREEK	O-3	TVA	1200	26	4.26	3.78	3.92	3.82	3.12	4.46	2.86	3.43	4.02	3.68	4.02	4.36	4.81	5.34	7.02	4.39	3.66	3.23	4.17	2.85	1.68	2.69	1.82	3.02	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48
296	WOLF CREEK	O-3	USNB	1315	55	2.68	3.48	3.53	3.47	2.69	4.46	2.86	3.43	3.05	3.28	4.45	4.36	4.81	5.34	7.02	4.39	3.66	3.23	4.17	2.85	1.68	2.69	1.82	3.02	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48
296A	WOLF CREEK	O-3	USNB	1480	20	4.62	3.48	3.53	3.47	2.69	4.46	2.86	3.43	3.05	3.28	4.45	4.36	4.81	5.34	7.02	4.39	3.66	3.23	4.17	2.85	1.68	2.69	1.82	3.02	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48
297	MAX SPRINGS MOUNTAIN	R	O-3	TVA	4285	26	4.12	4.46	4.85	4.65	4.83	5.02	2.32	4.24	3.32	4.78	5.08	6.93	6.71	9.04	5.51	4.05	3.79	4.71	3.23	1.86	3.33	2.26	3.68	3.33	2.26	3.68	3.33	2.26	3.68	3.33	2.26	3.68	3.33
719	MAX SPRING GAP	R	O-3	TVA	3790	9	3.18	3.65	4.04	4.64	6.24	4.39	2.85	4.82	2.57	3.68	3.94	4.43	5.10	5.64	7.49	4.45	2.99	3.60	3.46	2.92	1.82	2.92	1.82	2.92	1.82	2.92	1.82	2.92	1.82	2.92	1.82	2.92	1.82
261	DOUGLASS GAP	R	O-3	TVA	3490	26	4.19	4.16	4.84	3.98	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82	2.53	4.31	4.82
299	CODY STONE	O-3	TVA	2840	26	4.12	4.05	5.77	3.79	3.80	4.46	4.24	3.48	4.33	3.55	3.88	4.33	3.55	3.88	4.33	3.55	3.88	4.33	3.55	3.88	4.33	3.55	3.88	4.33	3.55	3.88	4.33	3.55	3.88	4.33	3.55	3.88	4.33	3.55
672	SAMS GAP, RADIO	O-3	USNB	3760	13	4.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	
262	MARSHALL	O-3	USNB	1950	62	2.81	3.31	4.65	3.04	3.89	3.94	2.09	2.91	1.75	3.01	4.01	3.65	4.21	4.68	5.55	3.62	1.37	2.38	2.65	2.13	1.10	2.82	1.77	2.74	35.82	37.67	31.1	31.1	31.1	31.1	31.1	31.1	31.1	
263	HIT	O-3	USNB	2150	26	3.24	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45
264	HANNAHVILLE	O-3	TVA	2250	26	2.72	3.39	3.70	3.40	3.28	4.01	2.98	3.60	4.05	3.27	3.83	3.82	4.11	5.09	3.22	2.97	2.88	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93
665	WEAVERVILLE	O-3	TVA	2220	15	2.66	2.99	4.40	3.13	4.12	3.78	2.85	3.45	4.73	3.24	3.56	3.55	3.33	4.11	4.25	2.96	2.63	2.42	2.62	2.41	1.09	2.51	1.32	2.60	3.76	36.95	37.5	37.5	37.5	37.5	37.5	37.5	37.5	
265	LEICESTER	O-3	TVA	2170	26	3.04	3.23	4.31	3.04	4.03	3.94	2.51	3.15	2.25	3.01	2.60	3.70	4.95	4.87	6.68	4.14	2.10	2.64	2.50	2.33	1.39	2.56	1.70	2.74	35.26	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	
266	ASHEVILLE	O-3	USNB	2415	13	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	
268A	BREWER DAM	O-3	TVA	2940	13	3.81	3.95	4.71	3.90	4.17	4.59	2.33	3.82	2.97	3.58	3.53	3.92	5.17	5.10	6.08	3.19	3.11	3.70	5.00	2.85	1.27	2.69	1.26	3.22	45.17	45.17	45.17	45.17	45.17	45.17	45.17	45.17	45.17	
268	BREWER DAM	O-3	TVA	2940	13	3.81	3.95	4.71	3.90	4.17	4.59	2.33	3.82	2.97	3.58	3.53	3.92	5.17	5.10	6.08	3.19	3.11	3.70	5.00	2.85	1.27	2.69	1.26	3.22	45.17	45.17	45.17	45.17	45.17	45.17	45.17	45.17	45.17	
269	BREWER DAM	O-3	TVA	2940	13	3.81	3.95	4.71	3.90	4.17	4.59	2.33	3.82	2.97	3.58	3.53	3.92	5.17	5.10	6.08	3.19	3.11	3.70	5.00	2.85	1.27	2.69	1.26	3.22	45.17	45.17	45.17	45.17	45.17	45.17	45.17	45.17	45.17	
270	NORTH FORK, N. 2	O-3	USNB	2920	18	5.18	4.03	4.76	4.05	4.71	5.14	2.85	3.83	3.95	3.67	7.73	4.37	5.66	6.45	7.22	5.42	2.95	5.01	5.31	3.42	1.33	3.27	1.31	3.42	52.95	50.67	26.2	26.2	26.2	26.2	26.2	26.2	26.2	
271	NORTH FORK, N. 2	O-3	TVA	2765	35	6.38	4.60	5.98	4.76	5.84	5.59	2.68	4.59	4.36	3.78	6.81	4.60	5.04	6.01	5.66	6.03	3.98	4.68	5.40	3.11	1.63	3.92	1.63	3.92	55.10	56.08	30.5	30.5	30.5	30.5	30.5	30.5	30.5	
700	BLACK MOUNTAIN	O-3	USNB	2400	11	6.01	3.67	4.90	3.42	3.69	4.10	2.27	3.40	2.66	2.88	4.56	3.44	4.00	4.27	3.62	8.12	4.10	3.58	4.50	3.60	3.11	0.69	2.69	1.32	3.52	49.19	50.68	30.5	30.5	30.5	30.5	30.5	30.5	30.5
274	ENVA	O-3	USNB	2950	30	3.74	3.25	5.44	2.96																														







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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1961

SUMMARY

(All Figures are in Inches)

AVERAGE PRECIPITATION

Above Chattanooga (50.99)*	57.24
Below Chattanooga (52.09)*	57.18
Entire Basin (51.51)*	57.20

MOST RAIN

Rosman, N. C.	126.54
---------------	--------

LEAST RAIN

Daybook, N. C.	41.49
----------------	-------

HIGHEST 24-HOUR RAIN

Hendersonville, N. C.	10.19
-----------------------	-------

NATURAL STREAMFLOW

Above Knoxville	21.68
Above Chattanooga	26.08

*Mean for 70-Year Period 1890-1959

TENNESSEE VALLEY AUTHORITY
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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1961

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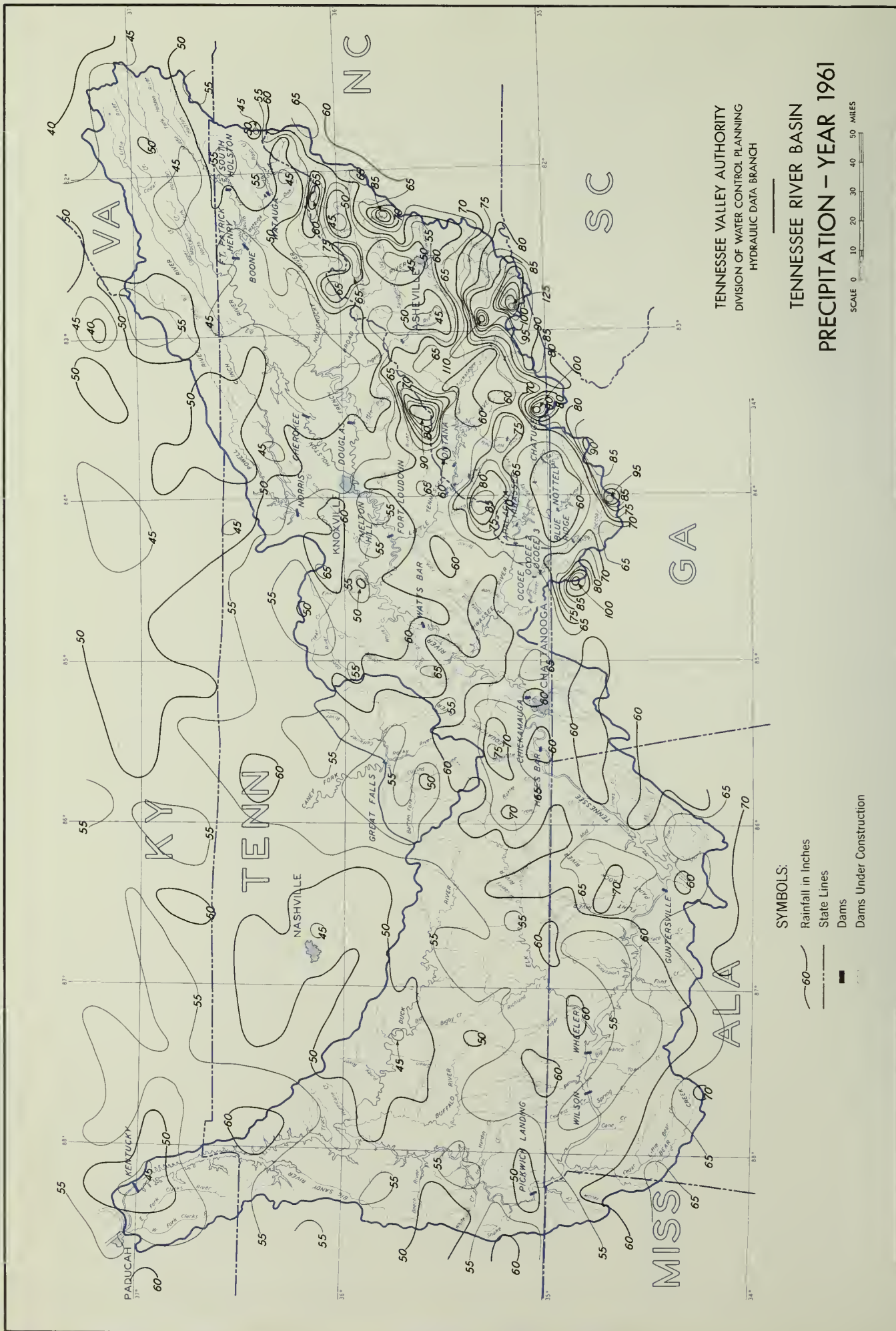
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ANNUAL 1961

PRECIPITATION
IN
TENNESSEE RIVER BASIN

REPORT NO. O-243





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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1961

Precipitation over the Tennessee River Basin during 1961 averaged 57.20 inches, 5.69 inches more than the 70-year mean of 51.51 inches. There have been eight years in the past 72 years of record since 1890 that had more rainfall than 1961. In the area above Chattanooga, the 1961 average was 57.24 inches, 6.25 inches more than the 70-year mean of 50.99 inches. The 1961 average below Chattanooga was 57.18 inches, 5.09 inches more than the 70-year mean of 52.09 inches. The frontispiece map shows the distribution of precipitation over the Basin for the year 1961. The table on pages 17 to 25 shows monthly and annual precipitation data for stations in the Tennessee River Basin, together with some stations bordering the Basin.

Monthly precipitation in the Basin was above the 70-year mean during February, March, May, June, November, and December 1961. December 1961 received more than twice the 70-year mean, and all but 0.80 inch of the 5.69-inch, above-normal accumulation for the year 1961 occurred during that month. December was the wettest month during the year with an average of 9.65 inches over the Basin. Precipitation was below the 70-year mean during the months of January, April, July, August, September, and October 1961. The driest month was September with an average of 1.78 inches over the Basin.

Above Chattanooga, the wettest month was December with 9.69 inches; the driest was September with 1.57 inches. Below Chattanooga, the wettest month was December with 9.61 inches, and the driest was October with 1.61 inches.

The maximum station precipitation for the year 1961 was 126.54 inches at Rosman, North Carolina, located in the upper French Broad River valley. This is the greatest annual amount at this station in 27 years of record, exceeding the annual average by nearly 50 inches. The previous annual maximum at Rosman was 104.47 inches in 1957. The maximum calendar-year total that has been recorded in the Basin was 133.30 inches at Haywood Gap, North Carolina, in 1957. This station is located about 12 miles north of Rosman and is about 3200 feet higher in elevation. The maximum 12 months' total known in the Basin is 145.47 inches, recorded at the Coweeta No. 8 station during the 12 months ending October 1949. Six stations recorded annual totals during 1961 that were in excess of 100 inches. The annual totals for these stations are listed in a tabulation below.

The station at Daybook, North Carolina, located in the French Broad River basin recorded the minimum total for 1961 of 41.49 inches, but this was still 1.80 inches more than the 25-year mean of 39.69 inches. Daybook is located in a sheltered valley and is about 65 miles north-northeast of Rosman where the maximum total for the year was observed. This wide variation in rainfall within relatively short distances is typical of the mountainous southeastern section of the Basin. Six stations recorded annual totals of less than 43 inches during 1961. The 1961 records for these stations are shown in the following tabulation:

1961 Annual Precipitation

At Six Wettest and Six Driest Stations

<u>Highest Amounts</u>		<u>Lowest Amounts</u>	
<u>Station</u>	<u>1961 Annual Precipitation inches</u>	<u>Station</u>	<u>1961 Annual Precipitation inches</u>
Rosman, N. C.	126.54	Daybook, N. C.	41.49
Haywood Gap, N. C.	111.20	Weaverville, N. C.	42.19
Coweeta No. 8, N. C.	104.77	White Pine, Tenn.	42.23
Cedar Mountain, N. C.	104.25	Walkers Ford, Tenn.	42.40
Caesars Head, S. C.	101.65	Holston, Va.	42.58
Flat Top, Ga.	101.19	Stanley Knobs, Tenn.	42.77

The maximum station precipitation for a month in the Basin during 1961 was 28.86 inches in August at Rosman, North Carolina. The station at Flat Top, Georgia, in the Hiwassee River basin recorded a total of 21.24 inches during December 1961. The TVA observer at Lawrenceburg, Tennessee, reported no precipitation for the month of September 1961. Ten other stations located in the western and central sections of the Basin reported monthly totals of 0.25 inch or less for September 1961. Drought conditions prevailed throughout much of the Basin during September and October 1961.

The greatest precipitation reported within 24 hours during 1961 was 10.19 inches at Hendersonville, North Carolina, on August 23-24, 1961. This rainfall was associated with a storm and resulting flood that caused great damage to crops in the upper French Broad River basin. A special report on this flood was issued.

Among the watershed subdivisions, the maximum annual average for 1961 was 96.8 inches over the upper French Broad River basin above Blantyre, North Carolina, 24.5 inches above the 25-year mean of 72.3 inches. Monthly maxima for 1961 occurred in this watershed during January, April, May, June, July, and August. The minimum annual subdivision precipitation for 1961 was 46.4 inches over the North Fork Holston River area above Gate City, Virginia. This amount, though a minimum for the Valley, was still 3.9 inches more than the 25-year mean of 42.5 inches in this watershed. Precipitation on all watershed subdivisions for 1961 is shown on the map on page 6. The tabulation on page 7 lists precipitation and runoff for 1961 for 14 selected watersheds in the Basin. Other tabulations and chart show selected data on precipitation and runoff.

Snowfall was reported somewhere in the Basin during the first four months and the last three months of 1961. The average snowfall over the Basin during 1961 was 7.4 inches, with January contributing 36 percent, February 30 percent, and December 27 percent of this amount. The 1961 average snowfall in the Basin east of Chattanooga was 12.5 inches and 1.8 inches west of that city. The maximum for the Basin was 50.6 inches at McKinney Gap, North Carolina, located near the Tennessee-North Carolina state line in the French Broad River basin. In the western section of the Basin the maximum snowfall for 1961 was 10.7 inches at Turkey Creek School, Kentucky. In the Caney Fork area above Great Falls Dam, the annual maximum was 13.5 inches at Eastland, Tennessee.

Data observed at the six TVA evaporation stations during 1961 are shown in the table on page 9.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations located in or near the Basin, together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, description of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Ten reports on special storm investigations and a report on extreme temperatures in the Tennessee Valley were published in monthly issues of this publication during 1961. These reports and the date of issue in which they appear are as follows:

	<u>Monthly Bulletin Containing Report</u>
February 1961 Floods	February
March 8, 1961, Flood	March
Tornadoes	March
Extreme Temperatures in the Tennessee Valley	March
Flood of May 12, 1961, at Marion, Virginia	May
Storm of July 21, 1958, at Dandridge, Tennessee	May
Intense Storm Strikes in Cane Creek Section of Mitchell County, North Carolina, on June 12, 1961	June
Intense Rainstorm Strikes the Simerly Creek Area near Hampton, Tennessee, Late on the Evening of July 31, 1961	August
Heavy Rain Causes Flash Flood on North Hominy Creek, Haywood County, North Carolina, on August 3, 1961	August
August 20, 1961, Flash Flood on Stringers Branch in Red Bank-White Oak Communities near Chattanooga, Tenn.	August
Floods of December 1961 in Tennessee River Basin	December

In addition to the above, the report "Flood of August 24-25, 1961, Upper French Broad River Basin" was published in November 1961 (TVA Report No. O-6189).

TENNESSEE RIVER BASIN PRECIPITATION DURING 1961Precipitation in Inches

<u>Month</u>	<u>Above Chattanooga 1961</u>	<u>Below Chattanooga 1961</u>	<u>Tennessee River Basin</u>			
			<u>1961</u>	<u>70-Yr Mean</u>	<u>Deviation from Mean Monthly</u>	<u>Cumulative</u>
January	2.85	2.57	2.72	4.91	-2.19	-2.19
February	7.43	7.11	7.28	4.81	+2.47	+0.28
March	5.49	8.15	6.73	5.51	+1.22	+1.50
April	4.04	3.61	3.84	4.47	-0.63	+0.87
May	3.92	4.55	4.21	4.14	+0.07	+0.94
June	5.82	5.41	5.63	4.23	+1.40	+2.34
July	4.89	4.21	4.57	4.92	-0.35	+1.99
August	4.92	3.12	4.08	4.18	-0.10	+1.89
September	1.57	2.02	1.78	3.19	-1.41	+0.48
October	2.70	1.51	2.14	2.85	-0.71	-0.23
November	3.92	5.31	4.57	3.54	+1.03	+0.80
December	9.69	9.61	9.65	4.76	+4.89	+5.69
Total	57.24	57.18	57.20	51.51		

Mean precipitation figures are for the period 1890-1959.

ANNUAL STREAMFLOW IN INCHES - 1961

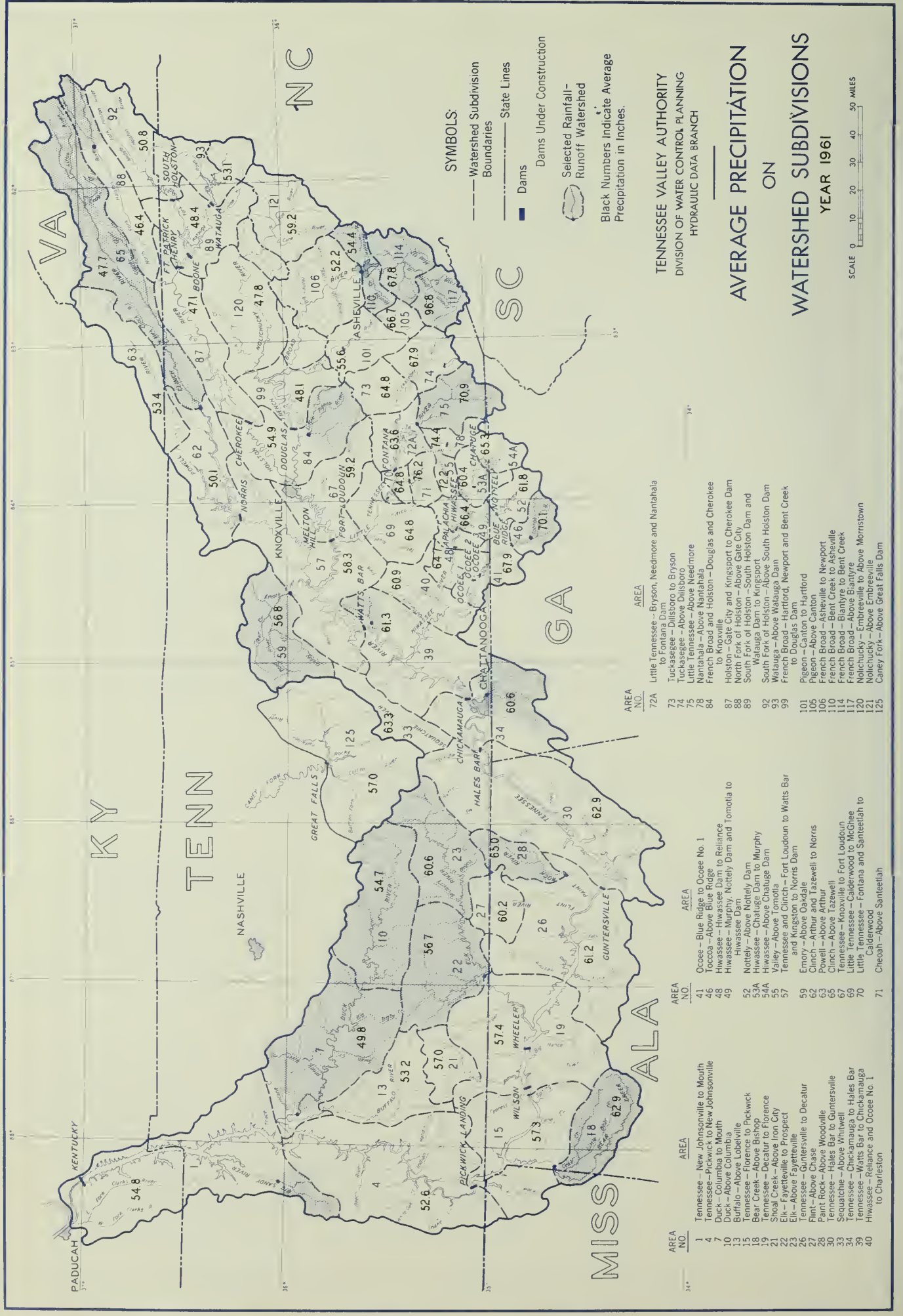
<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1961</u>	<u>Mean</u>	<u>1961</u>	<u>Mean</u>
Knoxville	17.97	19.43	21.68	19.47
Chattanooga	22.54	23.59	26.08	23.61

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS

1961 MONTHLY AND ANNUAL

Subdivision	Average Precipitation - Inches											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Entire Tennessee River Basin	2.72	7.28	6.73	3.84	4.21	5.63	4.57	4.08	1.78	2.14	4.57	9.65
	5.65	5.26	5.40	4.40	3.91	3.88	4.93	3.88	3.15	2.64	3.96	4.50
Area Above Chattanooga	2.85	7.43	5.49	4.04	3.92	5.82	4.89	4.92	1.57	2.70	3.92	9.69
	5.19	4.95	5.20	4.20	3.90	4.03	5.38	4.23	3.21	2.71	3.63	4.30
Area Below Chattanooga	2.57	7.11	8.15	3.61	4.55	5.41	4.21	3.12	2.02	1.51	5.31	9.61
	6.19	5.61	5.62	4.63	3.92	3.70	4.41	3.48	3.08	2.56	4.34	4.72
French Broad Above Newport	2.69	6.52	4.43	4.35	3.90	6.45	4.76	10.84	1.87	2.82	5.58	8.61
	4.46	4.33	5.05	4.15	3.88	4.38	5.87	4.98	3.76	3.17	3.35	3.93
French Broad Above Douglas Dam	2.82	6.24	4.66	4.01	3.65	5.57	4.35	7.86	1.77	3.10	4.80	8.41
	4.44	4.33	4.92	3.98	3.78	4.13	5.65	4.56	3.47	2.88	3.28	3.76
Holston Above Cherokee Dam	2.71	5.85	4.25	3.54	3.34	4.95	4.36	4.83	1.37	3.18	3.33	7.10
	4.19	3.92	4.39	3.53	3.89	3.83	5.25	4.10	2.93	2.30	3.00	3.37
Holston and French Broad Above Knoxville	2.77	6.19	4.63	3.84	3.55	5.24	4.37	6.23	1.59	3.18	4.13	8.03
	4.41	4.25	4.73	3.82	3.83	3.99	5.47	4.32	3.21	2.62	3.21	3.65
Little Tennessee Above McGhee	3.13	9.16	6.36	4.78	4.39	7.00	5.26	5.64	1.95	2.63	4.14	13.10
	6.23	5.97	6.25	4.90	4.29	4.53	6.10	4.75	3.49	3.18	4.23	5.13
Little Tennessee Above Fontana Dam	3.26	9.41	6.18	4.71	4.07	6.64	5.38	6.16	2.13	2.40	4.65	12.81
	6.24	6.04	6.39	4.95	4.26	4.55	6.26	4.91	3.68	3.29	4.17	5.26
Clinch Above Norris Dam	3.13	6.47	4.81	4.07	3.35	4.49	5.70	3.08	1.65	2.96	3.30	6.63
	4.78	4.41	4.80	3.69	3.88	4.00	5.06	4.06	2.80	2.33	3.30	3.84
Hivasssee Above Charleston	2.81	9.60	5.53	4.39	4.41	7.53	5.37	4.07	1.88	1.98	3.67	13.63
	6.03	5.93	6.10	4.98	4.07	4.32	5.78	4.43	3.38	2.99	4.10	5.07
Hivasssee Above Hivasssee Dam	2.93	9.77	5.31	4.39	4.21	7.50	5.69	4.32	1.92	1.65	3.71	13.08
	5.97	5.98	6.21	5.10	4.20	4.55	6.13	4.63	3.50	3.10	3.96	5.11

Note: 25-Year Averages Based on 1935-1959 Averages.

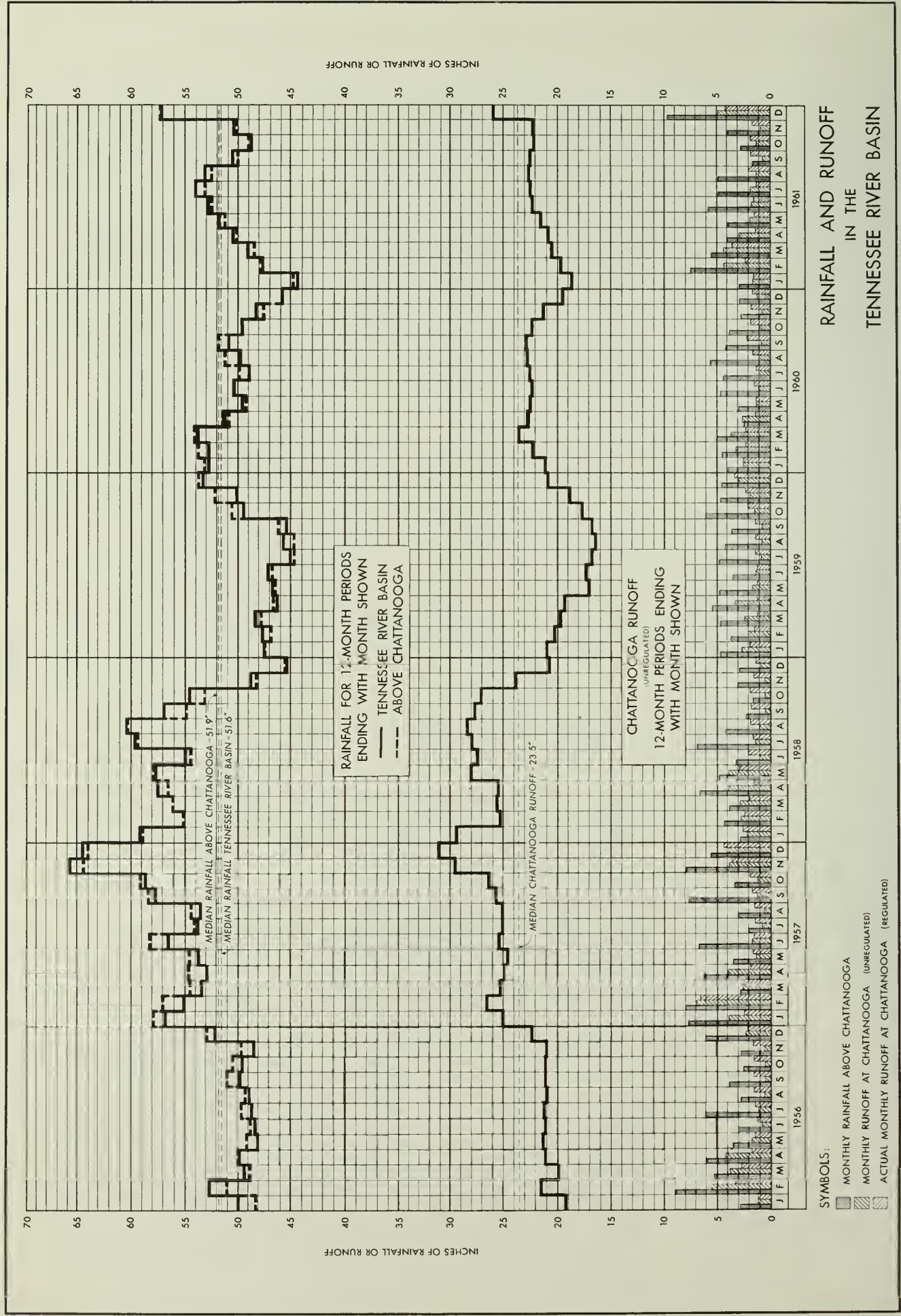


AREA NO.	AREA	AREA NO.	AREA	AREA NO.	AREA
1	Tennessee - New Johnsonville to Mouth of Clinch River	72A	Little Tennessee - Bryson, Needmore and Nantahala to Fontana Dam	101	Pigeon - Above Canton
2	Tennessee - New Johnsonville to Mouth of Clinch River	73	Tuckasee - Dilisboro to Bryson	102	Pigeon - Above Canton
3	Tennessee - New Johnsonville to Mouth of Clinch River	74	Tuckasee - Above Dilisboro	103	Pigeon - Above Canton
4	Tennessee - New Johnsonville to Mouth of Clinch River	75	Little Tennessee - Above Needmore	104	Pigeon - Above Canton
5	Tennessee - New Johnsonville to Mouth of Clinch River	76	Little Tennessee - Above Needmore	105	Pigeon - Above Canton
6	Tennessee - New Johnsonville to Mouth of Clinch River	77	Little Tennessee - Above Needmore	106	Pigeon - Above Canton
7	Tennessee - New Johnsonville to Mouth of Clinch River	78	Little Tennessee - Above Needmore	107	Pigeon - Above Canton
8	Tennessee - New Johnsonville to Mouth of Clinch River	79	Little Tennessee - Above Needmore	108	Pigeon - Above Canton
9	Tennessee - New Johnsonville to Mouth of Clinch River	80	Little Tennessee - Above Needmore	109	Pigeon - Above Canton
10	Tennessee - New Johnsonville to Mouth of Clinch River	81	Little Tennessee - Above Needmore	110	Pigeon - Above Canton
11	Tennessee - New Johnsonville to Mouth of Clinch River	82	Little Tennessee - Above Needmore	111	Pigeon - Above Canton
12	Tennessee - New Johnsonville to Mouth of Clinch River	83	Little Tennessee - Above Needmore	112	Pigeon - Above Canton
13	Tennessee - New Johnsonville to Mouth of Clinch River	84	Little Tennessee - Above Needmore	113	Pigeon - Above Canton
14	Tennessee - New Johnsonville to Mouth of Clinch River	85	Little Tennessee - Above Needmore	114	Pigeon - Above Canton
15	Tennessee - New Johnsonville to Mouth of Clinch River	86	Little Tennessee - Above Needmore	115	Pigeon - Above Canton
16	Tennessee - New Johnsonville to Mouth of Clinch River	87	Little Tennessee - Above Needmore	116	Pigeon - Above Canton
17	Tennessee - New Johnsonville to Mouth of Clinch River	88	Little Tennessee - Above Needmore	117	Pigeon - Above Canton
18	Tennessee - New Johnsonville to Mouth of Clinch River	89	Little Tennessee - Above Needmore	118	Pigeon - Above Canton
19	Tennessee - New Johnsonville to Mouth of Clinch River	90	Little Tennessee - Above Needmore	119	Pigeon - Above Canton
20	Tennessee - New Johnsonville to Mouth of Clinch River	91	Little Tennessee - Above Needmore	120	Pigeon - Above Canton
21	Tennessee - New Johnsonville to Mouth of Clinch River	92	Little Tennessee - Above Needmore	121	Pigeon - Above Canton
22	Tennessee - New Johnsonville to Mouth of Clinch River	93	Little Tennessee - Above Needmore	122	Pigeon - Above Canton
23	Tennessee - New Johnsonville to Mouth of Clinch River	94	Little Tennessee - Above Needmore	123	Pigeon - Above Canton
24	Tennessee - New Johnsonville to Mouth of Clinch River	95	Little Tennessee - Above Needmore	124	Pigeon - Above Canton
25	Tennessee - New Johnsonville to Mouth of Clinch River	96	Little Tennessee - Above Needmore	125	Pigeon - Above Canton
26	Tennessee - New Johnsonville to Mouth of Clinch River	97	Little Tennessee - Above Needmore		
27	Tennessee - New Johnsonville to Mouth of Clinch River	98	Little Tennessee - Above Needmore		
28	Tennessee - New Johnsonville to Mouth of Clinch River	99	Little Tennessee - Above Needmore		
29	Tennessee - New Johnsonville to Mouth of Clinch River	100	Little Tennessee - Above Needmore		
30	Tennessee - New Johnsonville to Mouth of Clinch River	101	Little Tennessee - Above Needmore		
31	Tennessee - New Johnsonville to Mouth of Clinch River	102	Little Tennessee - Above Needmore		
32	Tennessee - New Johnsonville to Mouth of Clinch River	103	Little Tennessee - Above Needmore		
33	Tennessee - New Johnsonville to Mouth of Clinch River	104	Little Tennessee - Above Needmore		
34	Tennessee - New Johnsonville to Mouth of Clinch River	105	Little Tennessee - Above Needmore		
35	Tennessee - New Johnsonville to Mouth of Clinch River	106	Little Tennessee - Above Needmore		
36	Tennessee - New Johnsonville to Mouth of Clinch River	107	Little Tennessee - Above Needmore		
37	Tennessee - New Johnsonville to Mouth of Clinch River	108	Little Tennessee - Above Needmore		
38	Tennessee - New Johnsonville to Mouth of Clinch River	109	Little Tennessee - Above Needmore		
39	Tennessee - New Johnsonville to Mouth of Clinch River	110	Little Tennessee - Above Needmore		
40	Tennessee - New Johnsonville to Mouth of Clinch River	111	Little Tennessee - Above Needmore		
41	Tennessee - New Johnsonville to Mouth of Clinch River	112	Little Tennessee - Above Needmore		
42	Tennessee - New Johnsonville to Mouth of Clinch River	113	Little Tennessee - Above Needmore		
43	Tennessee - New Johnsonville to Mouth of Clinch River	114	Little Tennessee - Above Needmore		
44	Tennessee - New Johnsonville to Mouth of Clinch River	115	Little Tennessee - Above Needmore		
45	Tennessee - New Johnsonville to Mouth of Clinch River	116	Little Tennessee - Above Needmore		
46	Tennessee - New Johnsonville to Mouth of Clinch River	117	Little Tennessee - Above Needmore		
47	Tennessee - New Johnsonville to Mouth of Clinch River	118	Little Tennessee - Above Needmore		
48	Tennessee - New Johnsonville to Mouth of Clinch River	119	Little Tennessee - Above Needmore		
49	Tennessee - New Johnsonville to Mouth of Clinch River	120	Little Tennessee - Above Needmore		
50	Tennessee - New Johnsonville to Mouth of Clinch River	121	Little Tennessee - Above Needmore		
51	Tennessee - New Johnsonville to Mouth of Clinch River	122	Little Tennessee - Above Needmore		
52	Tennessee - New Johnsonville to Mouth of Clinch River	123	Little Tennessee - Above Needmore		
53	Tennessee - New Johnsonville to Mouth of Clinch River	124	Little Tennessee - Above Needmore		
54	Tennessee - New Johnsonville to Mouth of Clinch River	125	Little Tennessee - Above Needmore		
55	Tennessee - New Johnsonville to Mouth of Clinch River				
56	Tennessee - New Johnsonville to Mouth of Clinch River				
57	Tennessee - New Johnsonville to Mouth of Clinch River				
58	Tennessee - New Johnsonville to Mouth of Clinch River				
59	Tennessee - New Johnsonville to Mouth of Clinch River				
60	Tennessee - New Johnsonville to Mouth of Clinch River				
61	Tennessee - New Johnsonville to Mouth of Clinch River				
62	Tennessee - New Johnsonville to Mouth of Clinch River				
63	Tennessee - New Johnsonville to Mouth of Clinch River				
64	Tennessee - New Johnsonville to Mouth of Clinch River				
65	Tennessee - New Johnsonville to Mouth of Clinch River				
66	Tennessee - New Johnsonville to Mouth of Clinch River				
67	Tennessee - New Johnsonville to Mouth of Clinch River				
68	Tennessee - New Johnsonville to Mouth of Clinch River				
69	Tennessee - New Johnsonville to Mouth of Clinch River				
70	Tennessee - New Johnsonville to Mouth of Clinch River				
71	Tennessee - New Johnsonville to Mouth of Clinch River				

RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

<u>Stream</u>	<u>Station</u>	<u>Drainage Area sq.mi.</u>	<u>January 1 - December 31, 1961</u>			<u>Runoff in Percent of Rainfall</u>	<u>Rainfall Minus Runoff inches</u>
			<u>Rain- fall inches</u>	<u>Depar- ture inches</u>	<u>Run- off inches</u>		
Big Sandy River	Bruceton	205	54.9	+2.3	15.8	28.8	39.1
Duck River	Hurricane Mills	2571	52.0	+0.9	20.2	38.8	31.8
Bear Creek	Bishop	667	62.9	+9.2	29.0	46.1	33.9
Elk River	Prospect	1784	58.5	+4.4	27.1	46.3	31.4
Paint Rock River	Woodville	320	65.0	+9.8	37.1	57.1	27.9
South Chickamauga Creek	Chickamauga	428	59.7	+6.5	29.3	49.1	30.4
Toccoa River	Dial	177	71.0	+5.2	41.3	58.2	29.7
Sewee Creek	Decatur	117	58.9	+6.2	29.3	49.7	29.6
Emory River	Oakdale	764	56.8	+3.8	31.0	54.6	25.8
Clinch River	Tazewell	1474	47.7	+2.7	20.0	41.9	27.7
Little Tennessee River	Needmore	436	70.9	+10.0	35.6	50.2	35.3
North Fork Holston River	Saltville	222	48.5	+7.3	22.8	47.0	25.7
Little Pigeon River	Sevierville	353	59.7	+5.5	26.5	44.4	33.2
French Broad River	Asheville	945	73.0	+16.1	35.1	48.1	37.9

Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions."
Runoff data are furnished by the U. S. Geological Survey and are tentative.



EVAPORATION DATA—YEAR 1961

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)	Paris, Tenn.	1.14a	1.85a	2.60a	4.35	5.17	5.22a	5.74	5.35	4.42	1.62a	1.00a	41.86a
	Murphy, N. C.	0.81a	1.02a	2.12	3.54	4.94	4.82	5.29	5.33	4.16	1.67	1.11a	38.08a
	Beetree Dam, N. C.	0.91a	0.98a	2.38	3.60	4.03	4.22a	4.56	3.93a	2.90	1.47	0.92a	31.56a
	Jefferson City, Tenn.	0.82	1.54	2.86	4.23	4.25	4.67	5.35	5.68a	3.28	1.65	1.03a	40.75a
	Guntersville, Ala.	1.33a	1.99a	3.74	5.88	6.32	5.86	7.08	6.12	5.52	2.97	1.97a	52.53a
	Marion, Va.	----	----	3.70	3.75	4.90	4.98	5.59	5.20	3.23a	1.87	1.19a	-----
Precipitation (Inches)	Paris, Tenn.	1.60	6.36	6.72	4.35	4.40	5.92	5.24	2.13	1.46	5.99	7.63	54.20
	Murphy, N. C.	2.58	9.88	5.89	3.73	5.46	7.00	4.59	4.68	2.38	3.56	13.26	64.49
	Beetree Dam, N. C.	2.18	5.96	3.46	3.46	4.70	7.49	3.01	7.73	1.12	4.32	6.78	52.38
	Jefferson City, Tenn.	2.60	7.62	5.29	4.08	3.73	3.16	4.83	1.26	0.79	3.26	9.29	49.58
	Guntersville, Ala.	2.17	9.29	6.00	3.41	4.67	5.78	4.46	2.79	3.50	4.14	13.06	60.65
	Marion, Va.	2.14	4.31	3.82	2.91	3.92	5.80	5.01	6.12	1.83	2.97	6.38a	49.51a
Average Air Temperature (Degrees F)	Paris, Tenn.	32	45	52	53	63	72	77	75	69	47	37	57
	Murphy, N. C.	32	44	49	51	60	68	71	71	67	50	40	55
	Beetree Dam, N. C.	31	42	49	48	58	65	69	69	66	48	37	53
	Jefferson City, Tenn.	32	44	50	51	59	67	71	73	71	50	39	55
	Guntersville, Ala.	36	49	55	58	67	73	79	78	75	55	44	61
	Marion, Va.	27	38	45	45	56	62	67	67	63	45	32	50
Average Water Temperature (Degrees F)	Paris, Tenn.	37a	48a	55	57	69	77	82	82	77	51	41a	62a
	Murphy, N. C.	38a	50	57	57	69	79	82	81	77	55	45a	63a
	Beetree Dam, N. C.	35a	45	55a	50a	64	74	78	77	71	52a	41a	58a
	Jefferson City, Tenn.	37a	49a	58	57	68	76	80	80	76	54	43a	62a
	Guntersville, Ala.	41a	52	60	61	73	80	84	84	80	56	47	65
	Marion, Va.	--	--	50	46a	64a	73	76	76	72	50	38a	--
Average Relative Humidity (Percent)	Paris, Tenn.	74	79	75	69	75	81	83	83	80	77	77	77
	Murphy, N. C.	80	86	81	73	80	86	86	88	86	80	84	82
	Beetree Dam, N. C.	88	91	83	76	80	88	84	87	84	80	77	83
	Jefferson City, Tenn.	78	83	80	72	79	86	87	82	74	78	80	80
	Guntersville, Ala.	77	84	77	67	75	83	84	83	78	72	74	77
	Marion, Va.	69	76	68	--	--	86	86	88	87	80	82	--
Average Wind Velocity (Miles Per Hour)	Paris, Tenn.	1.03	1.31	1.58	1.62	0.68	0.43	0.46	0.22	0.40	0.67	0.92	0.82
	Murphy, N. C.	0.44	0.57	0.82	0.95	0.55	0.25	0.20	0.17	0.18	0.71	0.66	0.49
	Beetree Dam, N. C.	1.60	1.41	1.59	1.80	0.77	0.46	0.37	0.39	0.50	1.11	1.18	1.01
	Jefferson City, Tenn.	0.61	0.65	0.69	1.08	0.30	0.26	0.41	0.74	0.77	0.90	1.28	0.70
	Guntersville, Ala.	1.99	1.85	2.27	3.61	----	----	0.75	0.52	0.91	2.20	1.56	----
	Marion, Va.	2.99	3.18	3.15	3.36	1.63	0.75	1.06	----	1.07	1.83	2.09	----

a = Partly computed.

MONTHLY AND ANNUAL RAINFALL AND RUNOFF
TENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>	<u>Annual</u>
	<u>Rainfall in Inches 1890 - 1961</u>												
1961	2.85	7.43	5.49	4.04	3.92	5.82	4.89	4.92	1.57	2.70	3.92	9.69	57.24
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	7.69	8.37	10.30	9.98	64.09
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.02	1.25	0.77	0.17	0.44	1.06	37.23
Mean ^a	4.57	4.67	5.30	4.19	4.10	4.44	5.28	4.50	3.26	2.89	3.24	4.55	50.99
Median ^a	4.24	4.46	5.08	4.18	3.80	4.46	5.05	4.15	3.14	2.48	3.00	4.22	51.93

a. For Period 1890 - 1959

	<u>Runoff in Inches 1874 - 1961</u> (Unregulated)												
1961	1.61	4.28	4.30	2.89	1.86	1.72	1.22	1.18	0.63	0.59	0.88	4.92	26.08
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean ^b	3.05	3.27	3.74	2.98	2.02	1.44	1.33	1.14	0.85	0.79	1.11	1.92	23.64
Median ^b	2.81	3.09	3.25	2.71	1.80	1.26	1.12	0.94	0.70	0.70	0.84	1.68	23.59

b. For Period 1874 - 1959

	<u>Runoff in Cubic Feet Per Second 1874 - 1961</u> (Unregulated)												
1961	29,900	88,000	79,800	55,500	34,500	33,100	22,700	22,000	12,200	11,000	16,900	91,300	41,200
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean ^b	56,600	67,200	69,400	57,200	37,500	27,600	24,700	21,200	16,300	14,700	21,300	35,600	37,200
Median ^b	52,200	63,500	60,300	52,000	33,400	24,200	20,800	17,400	13,400	13,000	16,100	31,200	37,200

b. For Period 1874 - 1959

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u> 1961
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	

ELIZABETHTON, TENNESSEE (70 Years)

January	3.44	8.13	1947	0.46	1896	2.44
February	3.42	7.59	1944	0.48	1906	4.93
March	4.20	10.72	1899	1.37	1937	4.02
April	3.36	6.05	1912	0.65	1942	2.49
May	4.03	7.73	1915	1.08	1941	1.91
June	4.69	16.38	1872	1.33	1946	4.88
July	5.16	10.56	1896	1.10	1872	4.69
August	4.41	12.14	1901	0.89	1896	5.45
September	2.85	7.61	1928	0.30	1903	1.14
October	2.51	7.61	1918	0.02	1904	3.35
November	2.38	5.02	1948	0.61	1931	4.64
December	3.38	9.87	1872	0.80	1935	7.53
Annual	43.83	58.91	1928	29.06	1941	47.47

HENDERSONVILLE, NORTH CAROLINA (65 Years)

January	4.68	12.40	1906	0.39	1907	3.27
February	4.71	10.73	1891	0.54	1930	6.96
March	5.38	11.67*	1891	0.96	1930	5.11
April	4.36	9.38	1920	0.43	1915	5.11
May	4.46	12.70	1942	0.95	1914	4.87
June	5.18	11.56	1934	0.96	1911	5.60
July	6.13	22.09	1916	1.72	1957	5.81
August	6.06	26.58	1901	0.49	1925	18.12
September	4.42	14.00	1906	0.22	1919	1.95
October	4.04	14.59	1918	0.01	1904	1.49
November	3.33	12.54	1948	0.21	1910	5.37
December	5.17	12.85	1918	0.93	1955	9.70
Annual	57.92	92.60	1901	32.55	1925	73.36

*Also Maximum for March 1952

KNOXVILLE, TENNESSEE (91 Years)

January	4.67	16.98	1882	1.29	1907	2.82
February	4.74	12.52	1873	0.56	1898	7.43
March	5.08	13.35	1917	0.72	1910	5.52
April	4.21	17.32	1874	0.70	1942	2.82
May	3.75	8.81	1938	0.71	1941	4.50
June	4.16	11.83	1928	1.39	1936	6.23
July	4.59	13.16	1917	0.69	1901	4.50
August	3.83	11.33	1920	1.10	1953	2.34
September	2.82	10.78	1944	0.18	1961	0.18
October	2.56	9.51	1925	0.07	1904	3.56
November	3.36	11.69	1948	0.17	1890	3.63
December	4.39	12.34	1901	0.95	1896	9.73
Annual	48.16	73.87	1875	33.67	1930	53.26

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u>		<u>Minimum</u>		<u>Year</u> 1961
		<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MURPHY, NORTH CAROLINA (87 Years)</u>						
January	5.56	14.85	1882	1.75	1907	2.56
February	5.74	15.10	1873	0.56	1906	9.74
March	6.22	15.34	1917	2.09	1918	5.55
April	4.77	15.40	1874	0.30	1915	3.64
May	4.03	11.25	1929	0.46	1941	5.39
June	4.99	9.31	1884	0.98	1958	6.86
July	5.63	13.42	1950	0.89	1957	4.35
August	4.96	13.96	1920	0.95	1953	4.29
September	3.27	7.44	1951	0.20	1876	2.15
October	3.04	9.27	1949	T	1904	1.38
November	3.78	13.18	1948	0.51	1924	3.43
December	5.30	12.98	1932	1.09	1898	12.86
Annual	57.29	84.80	1875	40.00	1940	62.20

CHATTANOOGA, TENNESSEE (83 Years)

January	5.25	14.74	1882	1.13	1961	1.13
February	5.07	12.30	1939	0.62	1941	9.27
March	5.83	14.05	1899	0.93	1910	6.55
April	4.63	15.29	1911	0.44	1942	3.01
May	3.88	12.00	1929	0.54	1941	5.46
June	4.06	9.40	1949	0.29	1931	6.99
July	4.57	13.49	1916	0.20	1957	3.85
August	3.81	12.36	1920	0.45	1929	3.55
September	3.14	12.19	1957	0.04	1919	0.61
October	2.98	11.91	1925	0.08	1938	1.63
November	3.58	13.59	1948	0.16	1890	3.61
December	5.15	13.68	1961	0.44	1889	13.68
Annual	51.95	72.37	1929	32.68	1904	59.34

LEWISBURG, TENNESSEE (68 Years)

January	5.28	17.05	1950	1.26	1943	2.93
February	5.18	13.14	1939	1.08	1941	6.14
March	5.92	12.50	1902	0.94	1910	10.23
April	4.46	12.60	1912	0.56	1915	2.81
May	4.02	8.50	1933	0.60	1941	4.74
June	4.01	13.46	1900	0.72	1899	6.68
July	4.33	9.85	1941	0.84	1954	4.66
August	3.92	11.40	1923	0.57	1909	2.45
September	3.18	12.41	1957	0.32	1927	1.53
October	2.89	8.88	1919	0.05	1924	1.22
November	3.79	10.27	1948	0.46	1953	4.12
December	4.88	11.71	1922	0.77	1958	8.91
Annual	51.86	66.62	1950	37.42	1904	56.42

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u> <u>Amount</u>	<u>Year</u>	<u>Minimum</u> <u>Amount</u>	<u>Year</u>	<u>Year</u> <u>1961</u>
<u>MUSCLE SHOALS, ALABAMA* (78 Years)</u>						
January	5.16	13.09	1950	1.20	1961	1.20
February	5.12	13.64	1948	0.54	1941	6.01
March	5.80	16.15	1897	1.26	1910	9.74
April	4.55	16.07	1892	0.74	1930	2.28
May	3.88	11.29	1939	0.16	1941	3.72
June	4.05	13.87	1900	0.60	1897	4.06
July	4.48	14.60	1916	0.77	1935	3.19
August	3.74	10.60	1894	0.35	1948	4.28
September	2.96	7.87	1890	0.00	1897	0.07
October	2.64	11.05	1918	0.00	1924	2.18
November	3.54	11.39	1948	0.16	1949	5.99
December	4.91	14.59	1926	0.83	1958	11.00
Annual	50.83	76.21	1932	30.92	1943	53.72

*Before December 1940 this station was at Florence, Alabama.

JOHNSONVILLE, TENNESSEE* (78 Years)

January	5.49	23.51	1937	0.64	1944	1.98
February	4.32	9.56	1939	0.79	1947	5.02
March	5.21	13.07	1927	0.59	1910	6.23
April	4.65	12.29	1892	0.53	1887	3.85
May	4.26	10.19	1909	0.48	1951	3.88
June	4.06	13.34	1928	0.37	1930	5.42
July	4.10	10.12	1892	0.06	1890	4.67
August	3.70	13.70	1914	0.34	1948	2.47
September	3.41	11.31	1921	0.00	1897	1.60
October	2.84	11.44	1919	T	1924	1.72
November	4.18	11.90	1906	0.74	1949	5.90
December	4.57	14.66	1926	0.05	1889	9.17
Annual	50.79	76.17	1950	32.48	1960	51.91

*Since August 1949 records collected at Johnsonville Steam Plant have been used.

MAXIMUM PRECIPITATION
FOR VARIOUS TIME INTERVALS DURING 1961

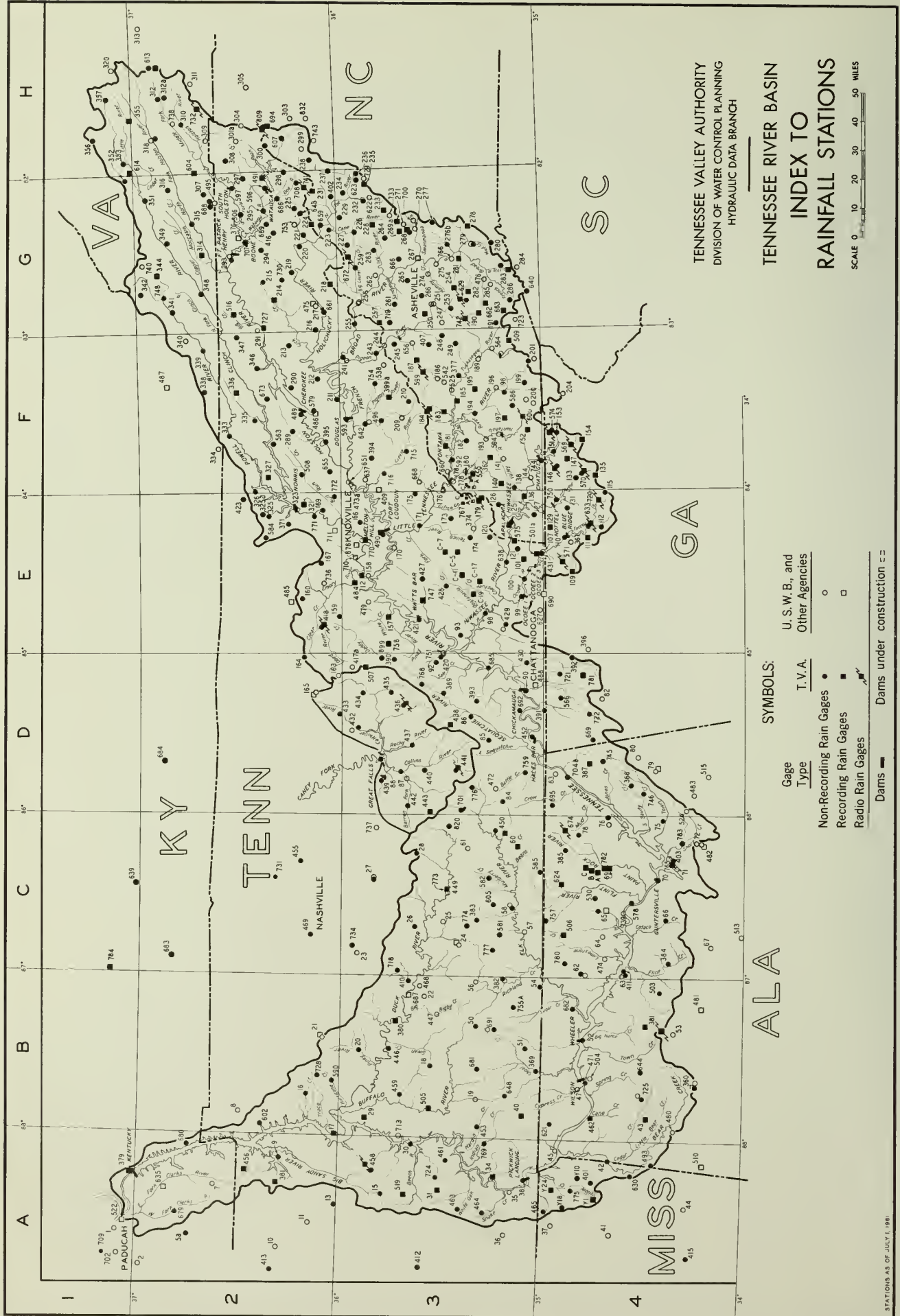
<u>Number</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration hours</u>	<u>Precip- itation inches</u>
237	Plumtree, N. C.	Aug. 17	0.5	1.53
624	New Market, Ala. (R)	June 6	1.0	2.58
279A	Hendersonville, N. C.	Aug. 23-24	22.5	10.19*
286	Rosman No. 2, N. C.	Aug. 21-27	152	15.48**
286	Rosman No. 2, N. C.	Aug. 1-31	744	28.86
286	Rosman No. 2, N. C.	June-Aug.	2208	53.58
286	Rosman No. 2, N. C.	Mar.-Aug.	4416	75.57
286	Rosman No. 2, N. C.	Jan.-Sept.	6552	94.05
286	Rosman No. 2, N. C.	Jan.-Dec.	8760	126.54

*Also maximum for 24 hours.

**Also maximum for 168 hours.

(R)Recording gage.

Figures in the "mean or normal" column in the accompanying tabulation are determined as follows: For the U. S. Weather Bureau stations, the figures are long-term means computed by the Weather Bureau. For TVA and other agency stations with 15 or more years of record through 1959, the figures are normals adjusted to the 25-year period 1935-1959. For TVA and other agency stations with 5 to 15 years of record, the figures are running averages for the period of record. No means are listed for records of less than 5 complete years.



Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Length of Snow (Inches)	
TENNESSEE RIVER - ROUTE TO NEW JERSEYVILLE																				
1	PAIDUCAR - NEAR R	A-1	USWB	333	80	1.40	5.00	5.02	3.90	6.36	5.28	4.38	7.45	4.02	6.21	3.70	5.56	3.03	3.08	---
522	PAIDUCAR - NEAR R	A-1	USWB	348	21	1.24	4.94	4.72	3.76	8.04	4.74	5.75	3.66	7.04	4.74	6.00	4.76	5.50	3.08	---
702	PAIDUCAR AIRPORT	A-1	USWB	504	12	1.77	1.97	5.59	4.03	9.17	4.44	5.97	3.96	7.65	4.94	6.00	4.76	3.69	3.67	---
709	SHANICE STEAM PLANT	A-1	TVA	345	11	2.00	3.68	8.09	4.59	5.71	3.75	8.64	4.78	8.49	4.27	2.78	3.75	2.78	2.73	---
739	SHANICE STEAM PLANT	A-1	TVA	347	24	2.37	3.97	8.97	5.23	5.04	4.23	8.29	3.97	6.43	3.62	4.18	3.16	2.23	3.14	---
379	KENTUCKY DAM R	A-1	TVA	362	24	2.69	4.73	5.69	4.26	4.78	4.83	6.52	4.21	2.99	3.37	3.10	4.04	0.61	2.91	---
379A	KENTUCKY DAM	A-1	TVA	362	17	2.38	4.73	5.61	4.26	5.55	4.83	6.29	3.88	6.07	4.21	2.99	3.37	3.10	4.04	---
679	BICKSVILLE	A-2	TVA	440	18	2.21	5.29	7.41	5.44	6.43	5.17	7.25	4.28	5.93	4.52	2.79	3.62	5.33	4.36	---
679A	MAYFIELD SUBSTA.	A-2	TVA	384	18	1.80	5.31	7.41	5.44	6.43	5.17	7.25	4.28	5.93	4.52	2.79	3.62	5.33	4.36	---
635	BENTON R	A-2	USWB	410	17	1.31	5.01	7.12	4.39	6.01	4.85	6.42	3.93	6.60	4.51	4.92	4.37	3.69	3.79	---
687	MURRAY	A-2	USWB	412	36	1.14	5.27	7.12	4.39	6.01	4.85	6.42	3.93	6.60	4.51	4.92	4.37	3.69	3.79	---
687A	TURKEY CREEK SCHOOL	A-2	TVA	390	14	1.80	5.42	7.12	5.18	6.58	5.42	4.13	3.95	6.76	4.81	4.14	4.47	3.44	3.34	---
9	DOVER FIRE TOWER, NEAR	B-2	USWB	492	64	1.83	5.60	7.15	3.92	7.30	5.47	5.01	3.95	5.12	4.07	8.92	3.36	5.08	4.03	---
455	BUCHANAN R	A-2	TVA	435	22	1.68	5.57	7.27	4.93	7.82	5.69	4.38	3.99	5.79	3.93	8.34	3.73	2.83	4.02	---
10	SPRINGVILLE	A-2	TVA	422	47	1.91	5.39	5.92	4.51	5.31	5.53	4.13	3.85	4.42	4.13	5.43	3.60	3.67	1.78	---
361	PARIS EVAPORATION STA. R	A-2	TVA	495	25	1.91	5.44	6.11	5.03	6.12	5.61	4.19	4.08	4.77	3.89	5.52	3.90	4.86	4.13	---
11	MCNEEL	A-2	USWB	475	28	1.89	6.14	5.46	4.89	6.08	5.50	4.89	4.07	4.77	3.89	5.52	3.90	4.86	4.13	---
13	WILKESVILLE	A-3	TVA	480	46	1.77	7.07	5.31	5.05	7.24	5.69	4.84	4.63	3.18	4.46	6.16	4.27	3.97	4.19	---
15	WILKESVILLE	A-3	TVA	480	46	1.77	7.07	5.31	5.05	7.24	5.69	4.84	4.63	3.18	4.46	6.16	4.27	3.97	4.19	---
16	ERIN, NEAR	B-2	TVA	470	26	2.44	6.79	6.16	4.90	5.91	5.60	4.32	4.12	4.33	4.05	7.99	4.46	7.99	4.46	---
TEXAS RIVER																				
459	PLEASANTVILLE	B-3	TVA	495	22	1.74	6.87	6.86	5.36	6.16	5.69	4.86	4.77	4.40	3.29	4.13	3.68	3.64	3.64	---
505	SUGAR BILL R	B-3	TVA	580	21	2.28	6.90	5.98	5.96	6.55	5.27	4.55	4.90	5.08	3.98	3.48	3.43	4.41	2.95	---
10	EDENWALD	B-3	TVA	975	74	2.84	6.69	6.12	5.50	6.52	5.38	4.28	4.94	4.86	4.23	3.24	3.43	4.85	3.07	---
19	WATKINSBORO	B-2	USWB	730	77	3.06	6.27	6.56	5.74	7.35	6.06	4.93	4.73	4.07	3.20	4.04	6.03	4.60	4.09	---
590	MEYER, NEAR	B-2	TVA	945	20	2.10	5.68	5.15	5.64	6.10	6.07	3.70	4.04	4.75	4.28	5.30	4.27	5.30	4.27	---
728	MEYER	B-2	TVA	805	9	2.37	5.57	4.92	5.16	6.34	4.98	4.21	5.28	4.05	4.94	4.79	4.42	5.42	4.28	---
20	PINKWOOD	B-2	TVA	820	46	2.11	6.71	7.15	4.89	7.04	5.49	3.60	4.43	3.60	4.43	3.60	4.43	3.60	4.43	---
21	DICKSON	B-2	USWB	800	70	1.54	6.14	5.50	6.03	4.57	4.39	3.42	3.68	3.42	3.68	3.42	3.68	3.42	3.68	---
446	CENTERVILLE SUBSTA.	B-3	TVA	486	22	2.51	6.69	6.71	5.29	5.33	5.31	4.17	4.49	4.34	3.91	4.32	3.91	4.32	3.91	---
140	SELOT GROVE R	B-3	TVA	580	23	2.13	6.65	6.08	5.12	6.12	5.00	3.13	3.48	3.27	3.19	3.80	3.65	6.21	4.16	---
140A	SELOT GROVE R	B-3	TVA	580	23	2.13	6.65	6.08	5.12	6.12	5.00	3.13	3.48	3.27	3.19	3.80	3.65	6.21	4.16	---
687	MONSANTO R	B-3	MCCO	625	18	1.17	6.88	6.57	6.08	6.34	5.17	3.64	3.95	4.68	4.48	6.11	3.78	6.65	4.00	---
22	ASHMOOD	B-3	USWB	725	89	1.74	5.92	6.84	5.34	9.43	5.92	3.93	4.35	4.15	4.04	4.15	3.40	6.50	4.39	---
468	COLUMBIA	B-3	USWB	675	23	2.27	5.92	7.68	5.79	6.87	5.84	3.99	4.47	4.29	3.78	4.78	3.71	4.65	3.58	---
410	FRANKLIN, NEAR	C-3	TVA	720	10	2.46	5.90	7.04	5.87	6.86	5.21	4.52	4.36	4.76	4.51	4.67	3.37	6.05	4.82	---
713	FRANKLIN, NEAR	C-3	TVA	745	8	2.46	5.90	7.04	5.87	6.86	5.21	4.52	4.36	4.76	4.51	4.67	3.37	6.05	4.82	---
23	FRANKLIN	C-3	USWB	625	73	2.34	5.82	6.19	4.92	5.99	5.53	3.65	4.04	4.28	3.36	3.05	3.27	4.13	3.65	---
24	LAVERGNE, NEAR	C-3	USWB	767	68	2.93	5.86	6.14	5.98	10.23	5.92	4.81	4.37	4.74	3.73	6.68	3.60	4.66	4.65	---
25	PALETO	C-3	USWB	770	72	2.42	6.03	6.83	5.68	9.50	5.47	3.25	3.99	6.23	3.92	6.23	3.92	5.00	4.98	---
26	CHAFEL BILL	C-3	TVA	705	26	2.93	6.04	5.59	5.69	8.26	5.18	3.53	4.33	3.90	4.16	6.93	3.12	3.93	3.91	---
27A	MURFREESBORO	C-3	USWB	608	80	2.90	6.07	6.75	5.49	6.36	5.46	3.42	3.95	4.45	4.86	4.51	4.04	4.15	3.40	---
27B	MURFREESBORO SUBSTA.	C-3	TVA	580	22	3.10	6.03	6.48	5.49	6.74	5.32	3.24	4.25	4.67	4.12	4.51	3.07	4.27	4.29	---
449	SEELYVILLE	C-3	TVA	742	22	3.17	6.17	6.50	6.10	7.13	6.00	4.13	4.11	4.29	3.14	6.26	3.04	4.46	3.91	---
773	SEELYVILLE R	C-3	TVA	743	22	3.11	6.17	6.50	6.10	7.13	6.00	4.13	4.11	4.29	3.14	6.26	3.04	4.46	3.91	---
438	OAK GROVE R	C-3	USWB	740	25	3.34	6.44	4.99	6.01	8.20	5.35	3.45	3.89	4.61	4.40	7.14	4.22	6.67	3.52	---
28	MANCHESTER	C-3	TVA	1092	12	2.41	5.52	6.17	5.60	8.85	5.13	4.04	4.61	4.70	4.07	6.34	4.04	2.42	4.66	---
TENNESSEE RIVER - NEW JERSEYVILLE TO PICKETT																				
17A	JOHNSVILLE STEAM PLANT R	B-2	TVA	365	78	1.98	6.64	5.02	4.80	6.23	5.58	3.85	4.43	3.88	4.05	5.42	3.71	4.67	4.00	---
458	CAYIA	A-3	TVA	580	22	2.94	6.21	5.80	4.98	6.19	5.99	4.15	4.79	3.42	4.22	3.63	3.66	5.61	3.82	---
458A	CAYIA, RADIO	A-3	TVA	602	13	1.3	4.3	6.7	5.2	7.5	4.5	4.1	4.1	2.5	3.2	5.6	3.9	3.7	2.8	---
29	CUBA LANDING R	B-3	TVA	425	26	1.81	6.60	6.21	4.80	6.12	5.39	3.24	4.23	4.26	3.83	4.30	3.95	5.88	3.76	---
30	PERRYVILLE	B-3	TVA	386	66	1.85	7.19	6.39	4.95	7.78	5.33	3.24	4.61	5.56	4.05	2.88	3.97	6.56	3.68	---
78A	SCOTTS BILL	A-3	TVA	460	9	1.74	5.52	7.09	5.84	7.90	4.74	3.60	5.32	4.42	5.19	2.16	3.81	3.02	3.52	---
219	OAK GROVE R	A-3	TVA	510	21	1.81	6.59	6.85	5.13	7.02	5.39	3.07	4.74	4.34	4.30	3.43	4.07	4.65	3.28	---
461	DUNBAR, TENNESSEE	A-3	TVA	535	22	2.24	6.67	6.73	5.51	7.80	5.64	4.07	4.97	6.39	4.36	2.49	3.89	5.97	3.14	---
473	CLIFTON JUNCTION	B-3	TVA	474	22	2.31	5.97	6.34	5.69	7.11	5.42	3.24	4.90	2.89	3.74	2.89	3.74	2.89	3.74	---
740	VICTORY R	B-3																		

HYDRAULIC DATA BRANCH

Sta. No.	Index	Owner	Station Name and Location	Yrs of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y & R	Depth of Snow (Inches)		
					Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l	Total	No'r'l			Total	No'r'l
TENNESSEE RIVER - FLORENCE TO FLORENCE																																
38	A-3	TVA	PICKENS LANDING DAM	27	1.82	6.42	5.68	5.56	7.62	5.12	3.34	4.63	2.21	3.75	2.62	3.75	2.66	3.60	1.52	3.09	1.53	2.86	2.22	2.84	6.64	4.63	8.40	4.66	46.46	50.91	---	
Y24	A-4	TVA	JAMES CHAPEL SCHOOL R	3	2.30	6.42	5.83	5.56	7.96	5.12	3.68	4.63	1.74	3.75	2.66	3.75	2.66	3.60	1.52	3.09	1.53	2.86	2.22	2.84	6.64	4.63	8.40	4.66	46.46	50.91	---	
Y16	A-4	TVA	GENS	3	2.30	6.42	5.83	5.56	7.96	5.12	3.68	4.63	1.74	3.75	2.66	3.75	2.66	3.60	1.52	3.09	1.53	2.86	2.22	2.84	6.64	4.63	8.40	4.66	46.46	50.91	---	
775	A-4	TVA	BIRMINGHAM	24	2.26	6.19	5.38	5.91	10.61	5.52	3.37	5.07	2.54	4.08	2.45	3.37	2.96	3.78	1.64	3.72	0.64	3.17	1.02	2.15	6.53	5.09	10.92	5.09	90.02	53.10	0.2	
Y10	A-4	TVA	YEA	3	2.14	6.35	5.11	5.77	11.07	5.77	3.39	4.84	3.88	4.05	4.99	3.37	4.76	3.92	1.64	3.72	1.73	1.28	1.73	7.18	4.92	9.08	4.94	60.30	52.77	7		
Y40	A-4	TVA	MIDWAY	23	2.27	6.21	7.28	6.42	11.25	5.77	2.87	4.84	3.00	4.05	4.99	3.37	4.76	3.92	1.64	3.72	1.73	1.28	1.73	7.18	4.92	9.08	4.94	60.30	52.77	7		
Y1	A-4	TVA	CATHO. NEAR R	3	2.10	6.17	6.07	5.78	10.33	6.33	3.18	4.76	4.37	4.14	4.37	3.18	3.18	4.24	3.03	3.39	2.80	3.01	1.07	2.84	7.69	4.65	9.40	5.63	59.12	54.42	---	
Y50	A-4	USNB	BOONEVILLE	67	2.10	6.17	6.07	5.78	10.33	6.33	3.18	4.76	4.37	4.14	4.37	3.18	3.18	4.24	3.03	3.39	2.80	3.01	1.07	2.84	7.69	4.65	9.40	5.63	59.12	54.42	---	
Y79	A-4	TVA	BOE. CATE, RADIO	12.5	2.5	7.7	7.25	5.9	10.33	6.33	3.18	4.76	4.37	4.14	4.37	3.18	3.18	4.24	3.03	3.39	2.80	3.01	1.07	2.84	7.69	4.65	9.40	5.63	59.12	54.42	---	
Y12	A-4	TVA	BEPER	27	2.76	6.40	7.28	6.19	12.50	6.27	2.78	5.33	2.74	4.26	4.86	3.48	4.41	4.24	3.09	3.67	2.23	2.87	1.74	2.27	7.39	4.48	11.07	4.93	60.85	54.39	0.6	
Y24	A-4	TVA	BECKEN R	27	2.11	5.93	6.43	6.13	10.14	6.22	2.03	5.67	3.09	3.84	5.07	3.42	2.61	4.91	2.03	3.63	1.08	2.73	1.81	2.47	9.52	4.24	12.09	4.72	61.57	53.37	---	
Y25	A-4	TVA	RUSSELLVILLE, ALABAMA	9	2.45	5.13	7.02	5.87	8.05	5.08	2.18	5.67	3.19	3.72	5.19	3.72	5.19	3.72	3.20	6.30	3.53	1.86	3.44	1.97	2.77	7.42	4.24	12.09	4.72	61.57	53.37	---
Y24	A-4	TVA	RUSSELLVILLE, NEAR	8	2.51	6.76	5.83	5.39	10.15	6.87	2.11	5.35	3.45	3.69	6.24	3.25	3.45	3.44	2.89	3.75	0.25	3.24	2.18	2.93	6.98	4.76	9.82	5.17	63.52	53.27	7	
Y24	A-4	TVA	RUSSELLVILLE, NEAR	10	2.51	6.76	5.83	5.39	10.15	6.87	2.11	5.35	3.45	3.69	6.24	3.25	3.45	3.44	2.89	3.75	0.25	3.24	2.18	2.93	6.98	4.76	9.82	5.17	63.52	53.27	7	
Y33	A-4	TVA	RED BAY	21	2.31	6.22	7.30	6.02	10.36	6.14	3.27	5.17	4.60	4.38	3.26	3.27	3.03	3.83	5.28	3.65	3.32	2.71	1.80	2.20	6.91	4.72	13.40	5.19	68.09	53.50	7	
Y80	A-4	USNB	BOE. R	24	2.83	5.98	6.82	6.31	9.45	5.80	2.67	4.94	4.27	3.85	4.78	3.84	2.39	4.28	5.23	3.73	4.04	2.91	2.51	2.29	5.66	4.28	5.26	4.69	59.39	53.50	7	
Y10	A-4	USNB	BOE. R	11	1.67	5.67	6.14	6.14	7.12	5.72	2.67	4.94	4.27	3.85	4.78	3.84	2.39	4.28	5.23	3.73	4.04	2.91	2.51	2.29	5.66	4.28	5.26	4.69	59.39	53.50	7	
Y44	A-4	USNB	BOE. R	33	2.69	5.55	7.25	5.98	10.39	6.78	3.24	4.60	4.14	4.28	3.64	3.31	2.62	4.31	11.01	3.34	1.04	2.83	2.48	2.35	10.35	4.72	13.13	5.07	73.55	52.91	7	
360C	A-4	TVA	BAILEYVILLE	930	3	3.00	9.05	7.64	7.64	6.27	4.86	4.19	3.67	6.68	4.59	4.22	4.53	2.62	4.31	7.73	3.90	0.86	3.11	3.11	3.11	6.70	4.37	12.60	4.66	57.31	51.3	0.5
360	A-4	USNB	BAILEYVILLE	930	25	3.24	6.61	8.94	8.94	6.27	3.67	4.86	4.19	3.67	6.68	4.59	4.22	4.53	2.62	4.31	7.73	3.90	0.86	3.11	3.11	6.70	4.37	12.60	4.66	57.31	51.3	0.5
45	A-4	USNB	BAILEYVILLE	430	2.82	6.69	6.93	5.99	10.59	5.91	3.14	4.71	2.19	3.75	4.22	3.45	4.10	3.59	2.90	3.44	0.86	3.02	1.89	2.48	6.95	4.45	10.05	4.64	58.37	51.3	0.5	
621	A-4	TVA	YOUNG STOKER, NEAR R	17	2.40	7.11	6.50	11.35	6.18	3.33	4.92	4.34	2.76	4.21	4.64	3.77	3.98	5.01	1.72	4.13	1.24	2.99	1.75	3.00	6.47	4.89	10.85	5.14	56.72	57.85	1.0	
462	A-4	TVA	COLUMBET STEAM PLANT R	10	2.30	5.19	4.98	5.94	11.76	5.63	2.71	5.34	4.11	4.11	4.11	4.11	4.11	4.11	5.13	3.58	0.76	2.22	1.64	2.10	7.07	3.78	11.16	5.89	58.68	59.43	---	
TENNESSEE RIVER - FLORENCE TO UNIVERSITY																																
47	A-4	USNB	FLORENCE	64	---	5.67	---	6.07	---	5.57	---	4.61	3.76	3.34	3.34	4.06	3.25	3.19	4.43	1.88	3.14	0.07	2.84	2.18	2.43	5.99	3.70	11.00	4.56	55.72	49.33	---
504	A-4	USNB	MUSCLE SHOALS	78	1.20	5.94	6.01	5.73	9.74	5.47	2.88	4.45	3.72	3.39	4.06	3.25	3.19	4.43	1.88	3.14	0.07	2.84	2.18	2.43	5.99	3.70	11.00	4.56	55.72	49.33	---	
471	A-4	TVA	IRON DAM	28	1.71	5.98	5.22	6.22	10.57	5.55	2.45	4.77	3.25	3.30	2.84	3.23	3.10	4.48	2.80	3.11	0.72	2.82	2.18	2.43	6.13	4.17	10.34	4.74	54.18	50.48	---	
369	A-4	TVA	WAGON CITY	42	2.46	6.01	6.46	6.39	10.32	6.15	3.05	4.71	2.81	4.27	5.13	3.72	4.37	4.40	7.16	3.87	0.95	3.07	1.75	2.65	5.17	4.33	11.7	5.61	63.04	59.18	---	
770	A-4	TVA	WEST POINT, RADIO	1	2.6	10.1	10.1	10.1	10.1	10.1	3.1	3.4	3.4	3.4	5.2	4.5	4.5	4.5	4.8	4.8	0.2	1.3	1.3	1.3	5.2	4.8	11.7	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
681	A-4	TVA	COLLINGSWOOD	13	2.69	6.33	5.95	6.34	8.24	6.09	3.09	4.63	3.86	4.27	5.66	4.76	3.36	3.92	5.48	3.07	1.17	3.31	1.20	2.49	5.56	4.58	9.72	5.68	58.36	55.67	2.0	
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ANNUAL 1961 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

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ANNUAL 1961 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Y E A R	Depth of Snow (Inches)					
441	ALAMOUNT	D-3	TVA	1980	22	2.09	6.26	9.42	5.94	4.12	4.27	8.28	4.24	1.23	3.69	1.76	2.19	2.67	4.46	10.34	2.56	#61.90	56.09	10.6	
441A	ALAMOUNT, RADIO	D-3	TVA	1980	10	2.5	4.1	9.1	5.2	3.8	5.4	4.2	4.0	1.2	2.1	2.8	3.0	3.9	3.9	4.1	5.9	2.1	58.71	31.61	---
441B	ALAMOUNT, RADIO	D-3	USWB	1055	19	2.57	3.74	5.21	3.65	3.62	3.77	4.50	3.36	1.86	4.15	2.14	2.19	2.94	3.90	5.96	2.04	58.71	31.61	---	
442	MCNINNVILLE	D-3	TVA	1000	20	2.64	6.27	8.94	4.88	3.32	3.77	4.44	4.06	3.40	3.87	2.02	2.82	3.90	4.98	38.28	26.89	31.7	---	---	
442A	MCNINNVILLE, RADIO	D-3	TVA	980	22	2.87	5.97	7.58	5.12	3.35	3.83	4.04	3.62	3.18	4.01	1.34	2.08	3.72	3.99	7.28	4.88	34.16	26.89	3.7	
443	MCNINNVILLE, RADIO	D-3	TVA	1180	22	2.82	6.17	9.41	4.63	3.93	3.43	2.83	4.21	2.49	3.58	1.62	2.60	3.33	4.10	7.81	5.09	35.09	31.60	---	
443A	MCNINNVILLE, RADIO	D-3	TVA	1180	22	2.82	6.17	9.41	4.63	3.93	3.43	2.83	4.21	2.49	3.58	1.62	2.60	3.33	4.10	7.81	5.09	35.09	31.60	---	
443B	MCNINNVILLE, RADIO	D-3	TVA	900	22	2.63	2.70	6.07	5.63	3.93	3.87	6.14	4.92	4.25	4.21	2.00	2.32	3.06	3.96	8.28	4.91	35.09	31.60	---	
443C	MCNINNVILLE, RADIO	D-3	TVA	920	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443D	MCNINNVILLE, RADIO	D-3	TVA	960	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443E	MCNINNVILLE, RADIO	D-3	TVA	980	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443F	MCNINNVILLE, RADIO	D-3	TVA	1000	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443G	MCNINNVILLE, RADIO	D-3	TVA	1020	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443H	MCNINNVILLE, RADIO	D-3	TVA	1040	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443I	MCNINNVILLE, RADIO	D-3	TVA	1060	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443J	MCNINNVILLE, RADIO	D-3	TVA	1080	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443K	MCNINNVILLE, RADIO	D-3	TVA	1100	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443L	MCNINNVILLE, RADIO	D-3	TVA	1120	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443M	MCNINNVILLE, RADIO	D-3	TVA	1140	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443N	MCNINNVILLE, RADIO	D-3	TVA	1160	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443O	MCNINNVILLE, RADIO	D-3	TVA	1180	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443P	MCNINNVILLE, RADIO	D-3	TVA	1200	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443Q	MCNINNVILLE, RADIO	D-3	TVA	1220	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443R	MCNINNVILLE, RADIO	D-3	TVA	1240	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443S	MCNINNVILLE, RADIO	D-3	TVA	1260	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443T	MCNINNVILLE, RADIO	D-3	TVA	1280	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443U	MCNINNVILLE, RADIO	D-3	TVA	1300	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443V	MCNINNVILLE, RADIO	D-3	TVA	1320	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443W	MCNINNVILLE, RADIO	D-3	TVA	1340	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443X	MCNINNVILLE, RADIO	D-3	TVA	1360	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443Y	MCNINNVILLE, RADIO	D-3	TVA	1380	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
443Z	MCNINNVILLE, RADIO	D-3	TVA	1400	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444	MCNINNVILLE, RADIO	D-3	TVA	1420	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444A	MCNINNVILLE, RADIO	D-3	TVA	1440	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444B	MCNINNVILLE, RADIO	D-3	TVA	1460	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444C	MCNINNVILLE, RADIO	D-3	TVA	1480	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444D	MCNINNVILLE, RADIO	D-3	TVA	1500	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444E	MCNINNVILLE, RADIO	D-3	TVA	1520	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444F	MCNINNVILLE, RADIO	D-3	TVA	1540	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444G	MCNINNVILLE, RADIO	D-3	TVA	1560	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444H	MCNINNVILLE, RADIO	D-3	TVA	1580	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444I	MCNINNVILLE, RADIO	D-3	TVA	1600	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444J	MCNINNVILLE, RADIO	D-3	TVA	1620	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444K	MCNINNVILLE, RADIO	D-3	TVA	1640	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444L	MCNINNVILLE, RADIO	D-3	TVA	1660	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444M	MCNINNVILLE, RADIO	D-3	TVA	1680	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444N	MCNINNVILLE, RADIO	D-3	TVA	1700	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444O	MCNINNVILLE, RADIO	D-3	TVA	1720	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444P	MCNINNVILLE, RADIO	D-3	TVA	1740	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444Q	MCNINNVILLE, RADIO	D-3	TVA	1760	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444R	MCNINNVILLE, RADIO	D-3	TVA	1780	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444S	MCNINNVILLE, RADIO	D-3	TVA	1800	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	
444T	MCNINNVILLE, RADIO	D-3	TVA	1820	22	3.11	6.22	5.96	5.57	4.41	3.87	6.02	4.46	3.39	4.14	1.37	2.28	4.12	4.10	6.05	5.02	57.89	33.35	7.5	

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R			
						Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1	Total	No.'1
CLINCH RIVER ABOVE MORRIS DAM																																	
534	TURLEY	R-2	TVA	1400	20	#3.19	5.58	6.96	5.05	6.04	4.91	6.10	3.37	3.89	4.76	5.61	4.92	6.90	4.32	3.18	4.34	0.85	3.21	2.40	2.45	6.32	3.93	7.41	4.34	#59.05	51.78	15.5	
325	LAPOLETTE	R-2	TVA	1250	28	3.46	5.37	6.04	4.76	5.89	5.00	5.52	3.85	2.98	3.98	4.28	4.16	4.29	4.88	3.54	3.54	1.34	2.75	1.62	2.44	6.22	3.92	7.08	4.61	#58.54	50.09	13.4	
354	LAPOLETTE WATER PLANT	R-2	TVA	1130	4	#3.12	5.21	6.95		5.11	5.21	5.69	3.92	#2.81	4.45	4.31	5.37	5.25	5.37	5.25	3.11	3.99	1.27	2.77	2.06	2.66	3.71	3.83	4.74	4.74	#47.54	51.26	---
423	VEZETTEBOIRE	R-2	TVA	1400	22	#3.02	5.33	46.07	4.80	5.11	5.21	5.69	3.92	#2.81	4.45	4.31	5.37	5.25	5.37	5.25	3.11	3.99	1.27	2.77	2.06	2.66	3.71	3.83	4.74	4.74	#47.54	51.26	---
356	WELL SPRING	F-2	TVA	1060	24	#2.65	4.80	7.62	4.75	4.62	4.88	4.38	3.54	2.82	4.03	#4.15	3.81	4.26	4.41	4.26	4.11	3.50	1.45	2.84	2.31	2.47	3.99	3.83	7.92	4.61	#44.66	50.79	7.5
313	WELL SPRING	F-2	TVA	1010	26	3.16	5.62	7.28	5.12	4.62	5.41	4.49	3.30	3.29	3.74	5.68	4.09	3.27	5.00	4.41	4.16	1.41	2.84	2.31	2.47	3.99	3.83	7.92	4.61	#44.66	50.79	7.5	
MIDDLEBORO																																	
334	RODGE HILL	F-2	USNB	1128	70	#3.30	5.48	47.28	4.78	5.24	5.44	5.34	4.97	3.74	3.92	4.81	4.12	4.81	4.12	3.86	3.92	1.48	2.98	2.08	2.80	4.45	3.59	7.37	4.34	#45.00	48.97	14.2	
437	BAXTER, NEAR R.	F-2	USNB	1175	22	2.72	5.05	5.82	4.34	4.43	4.69	4.69	4.07	3.88	4.37	4.38	4.25	5.48	4.36	4.34	1.92	2.83	1.92	2.83	2.73	3.33	4.46	4.06	#45.88	48.10	---		
JENSENVILLE NO. 2																																	
339	JENSENVILLE NO. 2	F-2	TVA	1375	27	3.26	5.14	6.39	4.85	4.65	5.11	4.92	3.87	3.46	4.83	4.31	4.23	5.28	4.94	4.41	2.26	2.63	2.46	2.80	2.61	3.18	6.98	4.10	4.71	4.91	49.11	10.7	
340	FLORININGTON GAP	F-2	USNB	1386	30	4.45	5.37	6.31	4.66	5.55	5.09	5.37	3.78	3.48	4.21	6.74	4.36	4.43	5.39	2.93	2.81	3.10	2.82	2.72	2.40	3.46	3.66	7.57	4.34	#45.00	48.97	20.5	
341	FLORININGTON	O-2	TVA	1400	27	3.40	5.21	6.91	4.66	5.55	5.09	5.37	3.78	3.48	4.21	6.74	4.36	4.43	5.39	2.93	2.81	3.10	2.82	2.72	2.40	3.46	3.66	7.57	4.34	#45.00	48.97	13.4	
BIG STONE GAP																																	
748	BIG STONE GAP	O-2	TVA	1485	6	3.34	4.34	5.67	3.79	2.01	1.82	5.98	5.80	3.45	1.05	5.39	4.44	5.26	5.08	4.21	3.60	2.68	3.99	3.11	2.63	2.53	3.80	3.80	4.68	4.68	#52.36	52.36	20.3
749	BIG STONE GAP	O-2	USNB	1485	27	3.34	4.34	5.67	3.79	2.01	1.82	5.98	5.80	3.45	1.05	5.39	4.44	5.26	5.08	4.21	3.60	2.68	3.99	3.11	2.63	2.53	3.80	3.80	4.68	4.68	#52.36	52.36	20.3
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77	4.03	1.13	3.63	3.23	2.36	2.60	3.18	4.49	4.87	4.78	24.2	24.2	16.4
JENSENVILLE NO. 2																																	
749	JENSENVILLE NO. 2	O-2	USNB	2950	27	3.34	3.80	6.39	5.36	4.40	3.88	4.86	4.71	3.21	3.51	3.27	3.97	6.46	6.36	2.77</													

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TENNESSEE VALLEY AUTHORITY

ANNUAL 1961 PRECIPITATION—In Inches

HYDRAULIC DATA BRANCH

Sta. No.	Station Name and Location	Index	Owner	Yrs of Record	Elev.	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R		Depth of Snow (Inches)	
						Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1	Total	No. 1		Total
BOSTON RIVER (CONT'D.)																																	
310	LYONS MILL	H-2	TVA	2060	27	2.17	3.91	5.01	3.41	3.17	3.93	3.05	3.33	3.58	4.66	5.26	3.84	4.07	5.13	5.24	4.20	1.37	2.81	3.37	2.24	2.71	2.71	7.27	2.95	46.47	43.12	23.8	
311	LOFTS DALE	H-2	USNB	1790	27	3.27	4.20	5.28	3.96	5.10	4.91	4.72	4.27	4.94	4.69	4.20	4.63	7.31	4.63	7.31	1.79	3.60	4.05	2.75	4.86	3.25	6.01	3.92	57.61	49.77	34.5		
312	CHALK CREEK	H-2	TVA	1750	27	2.41	4.02	5.34	3.94	4.70	4.33	2.91	3.28	3.57	3.50	3.12	3.58	2.44	3.28	2.44	0.83	2.80	2.83	2.98	3.05	2.98	7.36	3.42	44.76	42.72	11.6		
699	JACKSON CITY SUBSTA.	O-2	TVA	1580	14	2.53	3.67	5.27	3.98	4.22	4.29	3.68	3.61	2.34	4.23	5.01	3.28	2.24	4.84	6.22	4.50	1.21	2.99	3.33	2.19	4.37	3.12	8.64	3.77	49.26	44.06	---	
416	JOHNSON CITY VETERANS HOSPITAL	O-2	TVA	1730	44	3.36	3.97	6.37	4.10	4.61	4.39	3.13	3.37	3.12	3.98	4.67	3.84	3.66	5.20	5.84	4.04	1.45	2.68	3.50	2.06	4.00	2.94	7.85	3.61	51.76	44.41	17.5	
295	ELIZABETH CREEK NO. 2	O-2	TVA	1512	70	2.44	3.69	4.93	3.68	4.02	4.15	2.19	3.27	1.91	3.72	4.88	3.84	4.66	5.40	5.45	4.06	1.14	2.79	3.35	2.12	4.64	2.73	7.53	3.17	47.47	42.62	11.7	
225	STONE MOUNTAIN	O-2	TVA	2590	27	2.49	4.46	4.40	4.49	3.63	4.80	3.03	3.96	3.18	3.87	3.92	4.43	5.98	6.94	9.76	4.35	0.75	3.72	3.38	2.09	2.98	3.16	6.77	3.44	49.34	49.11	20.4	
708	STONE MOUNTAIN	O-2	TVA	2585	11	2.50	4.01	4.17	4.22	3.73	4.07	3.93	4.33	3.03	3.85	4.43	4.09	4.33	6.06	7.42	4.49	0.79	2.71	2.55	2.05	3.97	3.20	6.14	3.83	46.99	45.91	23.3	
741	BURNHAMPTON RADIO	O-2	TVA	2990	6	3.5	3.8	4.4	5.4	4.2	4.8	3.5	3.2	3.5	5.2	4.2	3.9	4.8	8.3	4.7	0.8	3.5	2.2	2.0	4.7	3.4	6.5	4.5	50.0	48.8	---		
686	NAPOCON	O-2	TVA	1890	14	2.37	3.54	4.22	4.02	3.81	3.29	3.23	3.84	3.04	3.30	3.51	3.74	3.93	4.88	6.70	3.93	1.28	2.35	3.28	2.16	3.49	2.88	7.61	3.40	46.85	48.12	15.6	
596	KAUWEA DAM	O-2	TVA	1714	15	2.37	4.48	5.69	4.15	4.97	4.34	3.53	4.16	3.74	3.97	4.51	5.74	5.47	8.25	5.23	1.27	2.72	3.16	2.56	3.27	3.16	8.22	3.41	44.32	45.34	14.0		
297	COLEVILLE	O-2	TVA	2130	27	3.62	4.14	5.67	4.05	4.43	4.22	3.53	3.33	2.36	3.91	4.86	3.93	5.94	4.35	5.94	4.35	1.37	3.22	3.61	2.25	3.27	3.16	8.57	3.45	52.81	45.34	14.0	
491	BUTLER R	O-2	TVA	2070	21	2.89	4.25	5.33	3.92	5.27	4.28	4.45	3.94	2.68	4.07	4.82	4.45	6.26	5.77	8.16	3.61	1.12	3.11	3.21	1.90	3.69	2.97	8.18	3.50	56.56	45.47	---	
492	BUTLER R	O-2	USNB	1780	27	2.89	4.25	5.33	3.92	5.27	4.28	4.45	3.94	2.68	4.07	4.82	4.45	6.26	5.77	8.16	3.61	1.12	3.11	3.21	1.90	3.69	2.97	8.18	3.50	56.56	45.47	---	
304	PARKER	H-2	USNB	3950	44	2.69	4.00	5.31	4.01	5.65	4.94	3.56	3.92	3.77	4.98	6.34	4.44	3.63	6.03	6.74	5.91	2.66	3.55	2.93	2.55	4.20	3.02	6.96	3.40	54.94	50.35	55.7	
305	JEFFERSON	O-2	USNB	2900	56	3.69	3.51	4.83	3.26	5.44	4.26	4.31	3.52	4.59	4.19	6.59	4.13	3.69	3.73	2.78	6.30	1.67	3.47	3.18	3.17	4.41	3.30	6.50	3.47	52.04	47.86	21.0	
298	JOHNSON	O-2	TVA	2760	27	1.77	1.77	3.04	3.24	2.85	4.24	4.31	3.74	3.08	4.23	4.16	4.40	4.16	4.14	4.14	1.46	3.17	2.33	3.31	4.91	3.43	6.35	3.10	44.07	45.96	17.2		
299	JOHNSON	O-2	TVA	3110	54	3.94	4.04	5.38	3.88	5.61	4.73	4.19	4.07	3.59	4.13	5.40	4.68	4.64	4.64	10.34	5.53	2.72	3.22	3.61	2.59	4.20	3.02	6.10	3.02	51.11	51.50	35.0	
743	GRANFATHER MOUNTAIN	H-2	USNB	5100	6	4.19	3.85	7.01	6.26	4.68	4.48	3.46	6.15	4.44	5.02	7.29	6.02	4.84	5.93	12.46	5.89	3.26	6.30	3.00	5.12	4.84	3.18	6.75	4.52	66.22	61.12	37.4	
294	RESE	H-2	TVA	3320	27	2.65	3.96	4.60	3.82	4.45	4.38	3.60	3.79	4.08	4.25	5.10	3.69	4.15	5.99	7.99	4.46	1.64	3.36	2.94	2.78	4.16	3.03	7.07	3.09	52.43	46.80	28.5	
607	MAST	H-2	TVA	2875	19	1.79	3.26	3.19	3.22	3.03	3.94	4.22	3.61	3.90	3.77	5.41	3.62	3.51	9.15	3.98	0.80	1.99	2.45	1.12	2.90	5.12	3.10	4.67	4.01	46.62	40.62	19.5	
608	ZIONVILLE	H-2	TVA	3710	9	3.07	3.84	5.23	4.71	3.66	4.75	4.74	4.80	5.21	4.10	4.31	3.39	3.62	5.06	6.71	3.50	1.63	3.67	2.72	2.60	5.09	3.40	6.94	3.80	53.03	47.45	36.5	
609	TRADE, RADIO	H-2	TVA	4310	5	2.6	3.4	4.0	4.4	2.9	3.2	4.6	4.3	3.2	4.1	6.1	3.2	1.1	6.1	3.2	1.1	6.1	3.2	1.1	6.1	3.2	1.1	6.1	3.2	44.4	40.5	---	
694	FACE MOUNTAIN GAP R	H-2	TVA	4350	15	4.00	4.64	5.06	4.43	4.52	5.27	4.83	4.91	5.73	4.47	6.76	4.80	5.30	5.36	8.42	4.99	3.17	4.73	3.24	3.39	5.69	4.56	8.10	4.15	60.12	55.30	---	
303	HOME	H-2	USNB	3225	33	4.19	4.09	6.47	4.76	4.57	5.10	5.25	4.28	5.10	4.43	5.82	4.52	6.63	6.43	8.70	5.68	4.23	4.07	3.10	3.83	5.43	4.14	6.13	4.07	60.16	54.49	34.3	
632	BLUING ROCK	H-2	USNB	3600	15	4.12	4.18	7.72	4.39	5.08	5.82	5.84	4.56	5.42	5.42	7.50	5.49	5.48	6.72	7.51	6.05	3.25	6.26	3.39	3.46	7.18	5.01	7.18	4.31	69.77	63.07	31.3	
HAWKESSE RIVER BELOW HAWKESSE DAM																																	
93	HIC SPRING	E-3	TVA	740	27	2.25	6.16	9.35	5.49	6.76	5.62	4.69	4.55	5.64	3.85	5.31	3.68	5.86	5.00	5.36	3.93	0.41	3.46	1.47	2.86	3.21	4.09	13.46	5.08	62.26	53.77	1.0	
429	CLEVELAND SERGE	E-3	USNB	890	22	2.70	5.69	8.68	5.47	5.05	5.70	3.42	4.09	5.38	3.69	5.68	3.93	5.26	4.00	3.59	3.63	0.69	3.43	1.46	2.86	3.21	4.09	13.46	5.08	62.26	53.77	1.0	
429A	CLEVELAND SERGE PLANT	E-3	USNB	755	6	2.80	3.91	8.92	6.05	5.80	4.44	3.47	4.43	5.04	3.11	6.03	3.85	4.54	4.04	2.56	2.60	0.69	4.21	1.79	2.82	3.46	4.18	13.99	4.89	58.66	48.77	1.5	
687	CONSUMA, NEAR	E-3	USNB	775	18	1.09	5.51	7.47	5.51	4.99	5.31	3.20	4.12	6.01	3.96	6.98	3.77	5.05	4.40	4.60	3.78	3.41	4.23	2.84	2.76	3.17	3.37	4.42	13.69	4.95	62.88	52.14	2.5
690	DOBLE SPRINGS GAP R	E-4	USNB	1000	16	1.81	5.11	8.11	5.48	5.47	5.97	3.03	4.44	5.04	4.02	9.27	4.84	4.70	4.86	3.42	3.66	0.92	3.91	2.77	2.68	3.39	3.39	13.26	4.69	64.49	51.69	---	
100	DOBLE SPRINGS GAP R	E-4	TVA	860	47	1.84	5.18	8.27	5.45	5.07	5.66	4.20	4.42	5.02	3.93	6.68	4.21	3.96	5.67	1.06	3.94	3.14	3.20	2.98	2.68	3.43	3.36	13.51	4.33	61.41	52.73	---	
101	SANAPRAS RIVER R	E-3	TVA	3300	27	2.82	6.16	9.37	5.94	5.19	5.95	4.92	4.83	4.46	4.12	7.49	4.21	3.45	5.39	3.14	4.35	1.52	3.61	2.23	3.44	4.28	4.80	13.45	5.16	62.74	57.02	---	
504	INDUSTRIAL R	E-3	TVA	1700	22	2.90	5.51	9.56	5.36	5.06	5.48	4.56	4.40	6.59	3.61	6.65	4.14	4.11	5.51	4.04	4.44	2.03	2.88	2.28	2.80	3.81	3.63	13.45	4.46	66.09	51.69	---	
107	COFFERHILL	E-3	TVA	1624	26	2.87	5.88	9.47	5.38	5.54	6.35	4.77	4.26	5.63	3.66	10.61	4.22	3.54	5.77	6.16	4.99	2.39	2.89	2.86	2.92	4.46	3.66	13.65	5.34	70.39	55.37	2.0	
431	COFFERHILL NO. 2 GUESTA.	E-3	TVA	1600	26	2.80	5.81	9.62	5.67	6.15	6.15	4.71	4.91	5.70	3.60	10.09	4.40	3.51	5.97	4.92	5.41	2.10	3.25	2.86	2.92	4.46	3.66	13.93	4.89	70.85	55.66	2.0	
471	HIDROPS OFFICE, RADIO	E-4	TVA	1800	20	3.1	4.6	11.5	8.05	6.1	8.91	6.1	6.1	6.1	6.1	10.7	4.6	3.2	9.4	3.7	3.7	3.4	3.4	3.4	3.4	3.4	3.4	10.8	6.1	71.8	60.4	---	
110	BLUE RIDGE DAM	E-4	TVA	1660	27	3.1	9.91	11.97	9.02	10.51	8.91	7.23	7.30	6.04	8.28	11.15	6.10	5.80	8.27	9.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	10.10	28.4	91.3	80.90	---	
367	BLUE RIDGE DAM	E-4	TVA	1560	41	2.53	5.82	10.41	5.94	5.13	6.14	4.56	5.07	4.79	3.63	8.94	4.17	4.59	5.66	2.79	4.18	3.32	3.24	1.99	2.60	3.00	3.78	13.75	5.03	65.69	55.26	---	
112	PORTUGAL CREEK	E-4	TVA	1560	27	3.40	6.24	9.51	6.24	6.81	6.81	4.40	5.49	4.90	4.90	12.66	4.36	4.60	4.80	4.80	4.80	1.01	3.65	1.33	3.01	3.50	4.33	13.68	5.98	70.17	61.80	---	
613	DIAL POST OFFICE	E-4	TVA	1900	14	3.20	5.93	9.4	6.83	5.24	6.71	3.71	5.19	3.37	4.14	12.21	4.89	6.75	5.89	4.03	4.31	2.71	4.17	1.69	3.10	3.50							

ANNUAL 1961 PRECIPITATION—In Inches

TENNESSEE VALLEY AUTHORITY

HYDRAULIC DATA BRANCH

[illegible]

ANNUAL 1961 PRECIPITATION—In Inches HYDRAULIC DATA BRANCH

TENNESSEE VALLEY AUTHORITY

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY												FEBRUARY												MARCH												APRIL												MAY												JUNE												JULY												AUGUST												SEPTEMBER												OCTOBER												NOVEMBER												DECEMBER												Total		Y E A R		Length of Snow (Inches)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
						Total	Mo't	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet		Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet	Wet





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ANNUAL
1962

PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1962

SUMMARY

(All Figures are in Inches)

AVERAGE PRECIPITATION

Above Chattanooga (50.99)*	55.00
Below Chattanooga (52.09)*	54.14
Entire Basin (51.51)*	54.61

MOST RAIN

Flat Top, Ga.	100.77
---------------	--------

LEAST RAIN

Trade, Tenn. (Radio)	37.6
----------------------	------

HIGHEST 24-HOUR RAIN

Owens Gap, N. C.	7.43
------------------	------

NATURAL STREAMFLOW

Above Knoxville	22.22
Above Chattanooga	26.28

*Mean for 70-Year Period 1890-1959

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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1962

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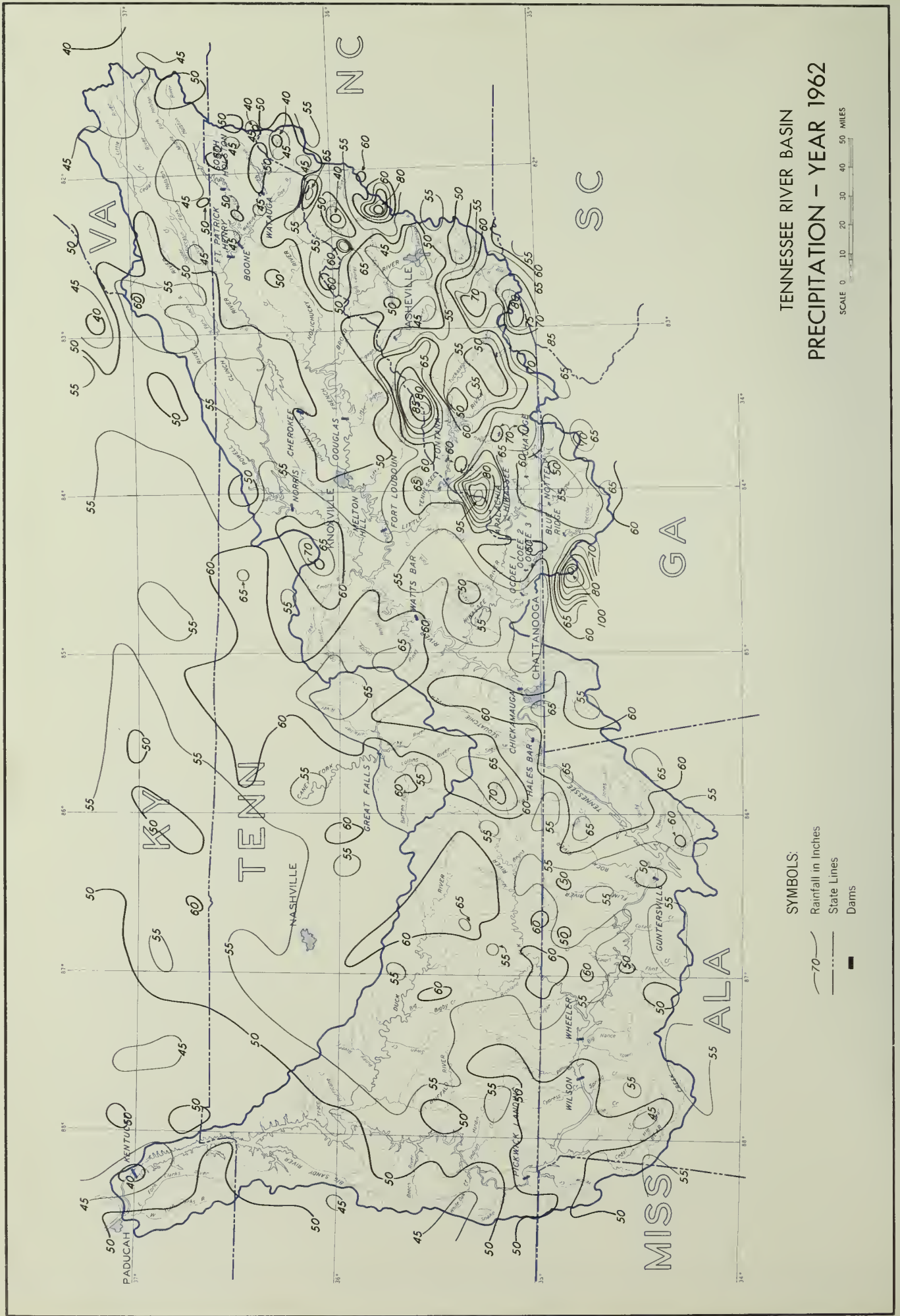
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ANNUAL 1962

PRECIPITATION
IN
TENNESSEE RIVER BASIN

REPORT NO. O-243





TENNESSEE RIVER BASIN PRECIPITATION - YEAR 1962

551.57
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PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1962

Precipitation over the Tennessee River Basin during 1962 averaged 54.61 inches, 3.10 inches more than the 70-year mean of 51.51 inches. There have been 23 years in the past 73 years of record since 1890 that had more rainfall than 1962. In the area above Chattanooga, the average was 55.00 inches, 4.01 inches more than the 70-year mean of 50.99 inches. The average below Chattanooga was 54.14 inches, 2.05 inches more than the 70-year mean of 52.09 inches. The frontispiece map shows the distribution of precipitation over the Basin for the year 1962. The table on pages 17 to 25 shows monthly and annual precipitation data for stations in the Tennessee River Basin, together with some stations bordering the Basin.

Monthly precipitation in the Basin was above the 70-year mean during January, February, April, June, September, October, and November 1962. February was the wettest month during the year with an average of 7.86 inches over the Basin. Precipitation was below the 70-year mean during the months of March, May, July, August, and December 1962. The driest month was May with an average of 2.28 inches over the Basin. August was nearly as dry, having an average of 2.34 inches over the Basin.

Above Chattanooga, the wettest month was February with 7.27 inches; the driest was May with 2.42 inches. Below Chattanooga, the wettest month was February with 8.53 inches, and the driest was August with 2.06 inches. In the latter area the months of January and May were nearly as wet and as dry, having averages of 8.48 inches and 2.11 inches, respectively.

The maximum station precipitation for a month in the Basin during 1962 was 15.64 inches in January at Haw Knob, Tennessee. The station at Flat Top, Georgia, recorded 14.12 inches during November. The U. S. Weather Bureau station at Sevierville, Tennessee, reported a total of 0.18 inch in August, which is the minimum station precipitation for 1962. Thirty stations in the Basin reported one inch or less of rainfall during May, and the same number of stations reported less than one inch during August. Drought conditions prevailed throughout much of the Basin during May, July, and August 1962.

The maximum station precipitation in the Basin for 1962 was 100.77 inches at Flat Top, Georgia, located in the Toccoa River watershed. This is the fifth greatest annual amount at Flat Top in 28 years of record, exceeding the annual average by nearly 16 inches. The annual maximum at this station was 122.16 inches in 1959. Ten stations recorded annual totals in excess of 80 inches. The 1962 annual totals for these stations are listed in a tabulation on page 2.

The TVA radio rain gage station at Trade, Tennessee, located in the upper Watauga River watershed recorded the minimum total for 1962 of 37.6 inches. A nearby station at Mast, North Carolina, recorded 38.12 inches, 2.36 inches below the 18-year annual average of 40.48 inches. Ten stations recorded annual totals of less than 42 inches. The 1962 records for these stations are shown in the tabulation on page 2.

1962 Annual Precipitation
At Ten Wettest and Ten Driest Stations

<u>Highest Amounts</u>		<u>Lowest Amounts</u>	
<u>Station</u>	<u>1962 Annual Precipitation inches</u>	<u>Station</u>	<u>1962 Annual Precipitation inches</u>
Flat Top, Ga.	100.77	Trade, Tenn. (Radio)	37.6
Haw Knob, Tenn.	97.65	Mast, N. C.	38.12
Clingmans Dome, N. C.	88.08	Daybook, N. C.	38.54
Little Santeetlah Cr No. 3, N. C.	87.60	Kentucky Dam, Ky.	38.83
Haw Knob, Tenn. (Radio)	87.1	Asheville, N. C.	40.02
North Citico Creek No. 3, Tenn.	84.56	Leicester, N. C.	40.02
Hyatt Creek, N. C.	83.05	Canton, N. C.	40.30
Mt. LeConte, Tenn.	82.38	Chambers Mtn., N. C.	41.34
Mt. Mitchell, N. C.	82.07	Weaverville, N. C.	41.52
Little Santeetlah Cr No. 4, N. C.	80.35	Enka, N. C.	41.97

The greatest precipitation reported within 24 hours during 1962 was 7.43 inches at Owens Gap, North Carolina, on October 2-3. This heavy rainfall occurred over a limited area of the Tuckasegee River watershed and resulted in only minor rises on the streams.

Among the watershed subdivisions, the maximum annual average for 1962 was 75.6 inches over the Cheoah River watershed above Santeetlah Dam, North Carolina, 10.7 inches above the 25-year mean of 64.9 inches. Monthly maxima for 1962 occurred in this watershed during January, February, March, and September. The minimum annual subdivision precipitation was 45.9 inches over the North Fork Holston River area above Gate City, Virginia. This amount, though a minimum for the Valley, was still 3.4 inches more than the 25-year mean of 42.5 inches in this watershed. Monthly minima for 1962 occurred in this watershed during January, February, March, and April. Precipitation on all watershed subdivisions for 1962 is shown on the map on page 6. The tabulation on page 7 lists precipitation and runoff for 14 selected watersheds in the Basin. Other tabulations and charts show selected data on precipitation and runoff.

Snowfall was reported somewhere in the Basin during the first four months and the last three months of 1962. The average snowfall over the Basin during 1962 was 17.5 inches, with January contributing 43 percent, March 22 percent, and December 31 percent of this amount. The average snowfall in the Basin east of Chattanooga was 25.0 inches and 8.9 inches west of that city. The average snowfall in the Caney Fork area above Great Falls Dam was 18.0 inches. The maximum for the Basin was 80.7 inches at Parker, North Carolina, located near the eastern rim of the Basin in the upper Watauga River section. In the western section of the Basin, the maximum snowfall was 24.5 inches at Monteagle, Tennessee, on the Cumberland Plateau. In the Caney Fork area above Great Falls Dam, the 1962 annual maximum was 25.5 inches at Herbert, Tennessee.

Data observed at the six TVA evaporation stations during 1962 are shown in the table on page 10.

Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations located in or near the Basin, together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, description of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

Special Reports

Three reports on special storm investigations and a report on cold weather in the Tennessee Valley were published in monthly issues of this publication during 1962. These reports and the date of issue in which they appear are as follows:

	<u>Monthly Bulletin Containing Report</u>
Hailstorm of May 25, 1962, at Knoxville, Tennessee	May
Johnson City, Tennessee, Flooded by Brush Creek on July 3, 1962	July
Flood of July 9, 1962, at Morristown, Tennessee	July
Cold Wave of Mid-December 1962	December

TENNESSEE RIVER BASIN PRECIPITATION DURING 1962

Precipitation in Inches

<u>Month</u>	<u>Above</u> <u>Chattanooga</u> <u>1962</u>	<u>Below</u> <u>Chattanooga</u> <u>1962</u>	<u>Tennessee River Basin</u>			
			<u>1962</u>	<u>70-Yr</u> <u>Mean</u>	<u>Deviation from Mean</u> <u>Monthly</u>	<u>Cumulative</u>
January	6.64	8.48	7.50	4.91	+2.59	+2.59
February	7.27	8.53	7.86	4.81	+3.05	+5.64
March	4.77	5.51	5.12	5.51	-0.39	+5.25
April	4.48	5.51	4.96	4.47	+0.49	+5.74
May	2.42	2.11	2.28	4.14	-1.86	+3.88
June	5.59	4.60	5.13	4.23	+0.90	+4.78
July	5.13	3.38	4.31	4.92	-0.61	+4.17
August	2.58	2.06	2.34	4.18	-1.84	+2.33
September	4.86	4.75	4.81	3.19	+1.62	+3.95
October	3.09	2.80	2.95	2.85	+0.10	+4.05
November	4.77	3.72	4.28	3.54	+0.74	+4.79
December	3.40	2.69	3.07	4.76	-1.69	+3.10
Total	55.00	54.14	54.61	51.51		

Mean precipitation figures are for the period 1890-1959.

ANNUAL NATURAL STREAMFLOW IN INCHES - 1962

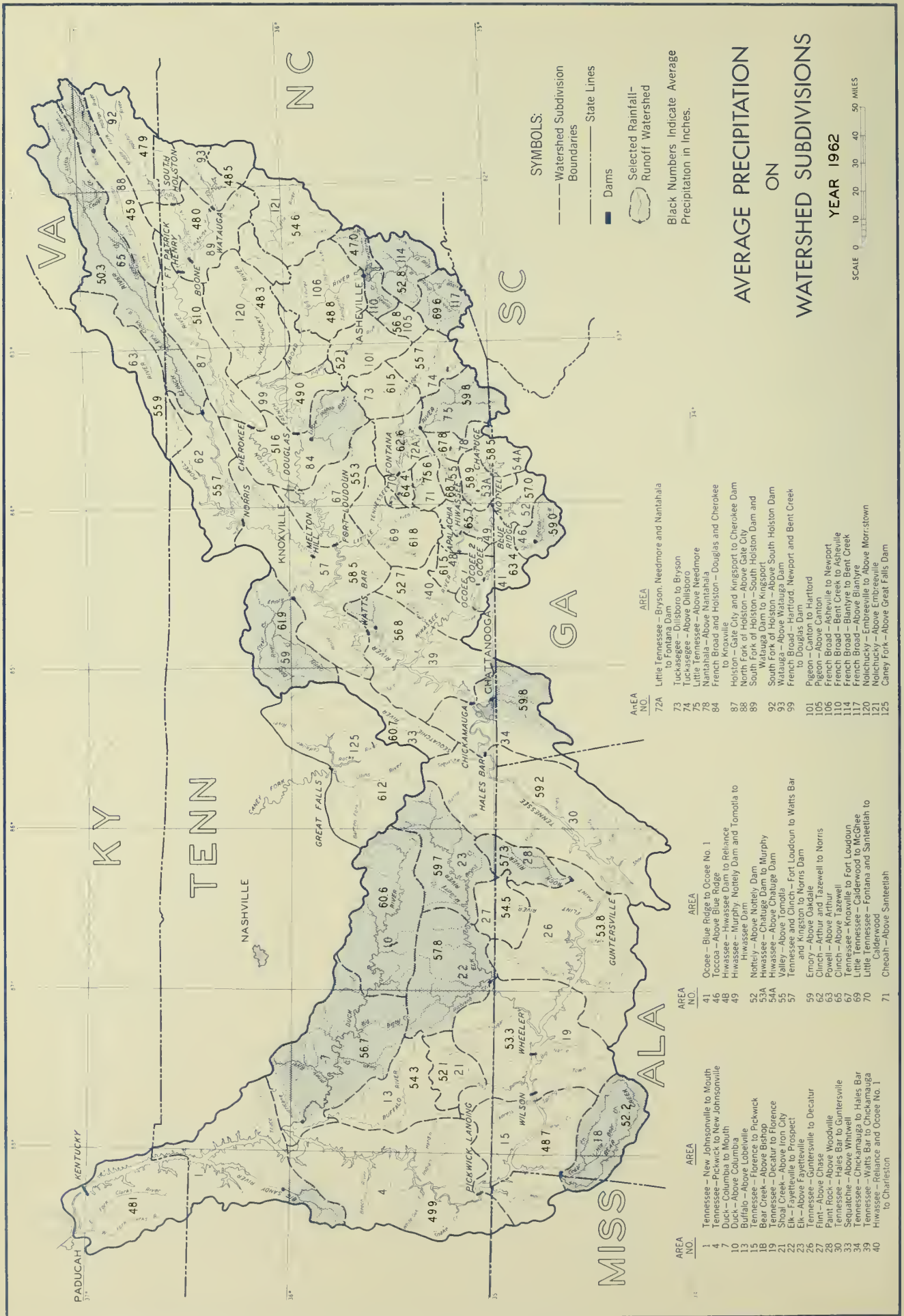
<u>Tennessee River at</u>	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1962</u>	<u>Mean</u>	<u>1962</u>	<u>Mean</u>
Knoxville	24.82	19.51	22.22	19.51
Chattanooga	28.96	23.63	26.28	23.63

AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS 1962 MONTHLY AND ANNUAL

Average Precipitation - Inches

Subdivision	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Entire Tennessee River Basin	7.50	7.86	5.12	4.96	2.28	5.13	4.31	2.34	4.81	2.95	4.28	3.07	54.61
25-Yr Average	5.65	5.26	5.40	4.40	3.91	3.88	4.93	3.88	3.15	2.64	3.96	4.50	51.56
Area Above Chattanooga	6.64	7.27	4.77	4.48	2.42	5.59	5.13	2.58	4.86	3.09	4.77	3.40	55.00
25-Yr Average	5.19	4.95	5.20	4.20	3.90	4.03	5.38	4.23	3.21	2.71	3.63	4.30	50.93
Area Below Chattanooga	8.48	8.53	5.51	5.51	2.11	4.60	3.38	2.06	4.75	2.80	3.72	2.69	54.14
25-Yr Average	6.19	5.61	5.62	4.63	3.92	3.70	4.41	3.48	3.08	2.56	4.34	4.72	52.26
French Broad Above Newport	6.02	5.31	4.57	4.64	2.69	7.20	4.83	3.37	3.57	3.60	4.30	2.59	52.69
25-Yr Average	4.46	4.33	5.05	4.15	3.88	4.38	5.87	4.98	3.76	3.17	3.35	3.93	51.31
French Broad Above Douglas Dam	6.02	5.93	4.43	4.13	2.54	6.61	5.13	2.96	3.90	3.15	4.10	2.95	51.85
25-Yr Average	4.44	4.33	4.92	3.98	3.78	4.13	5.65	4.56	3.47	2.88	3.28	3.76	49.18
Holston Above Cherokee Dam	5.30	5.89	3.90	3.31	2.04	4.66	5.01	2.02	4.99	2.49	3.78	4.06	48.35
25-Yr Average	4.19	3.92	4.39	3.53	3.89	3.83	5.25	4.10	2.93	2.30	3.00	3.37	44.70
Holston and French Broad Above Knoxville	5.82	6.12	4.26	3.75	2.63	5.71	5.04	2.45	4.43	2.86	3.99	3.43	50.49
25-Yr Average	4.41	4.25	4.73	3.82	3.83	3.99	5.47	4.32	3.21	2.62	3.21	3.65	47.51
Little Tennessee Above McGhee	7.99	8.38	5.66	5.79	2.23	6.23	5.26	3.31	5.41	3.37	5.06	3.42	62.11
25-Yr Average	6.23	5.97	6.25	4.90	4.29	4.53	6.10	4.75	3.49	3.18	4.23	5.13	59.05
Little Tennessee Above Fontana Dam	7.98	7.75	5.84	6.07	2.45	6.39	4.32	3.08	5.25	3.14	4.75	3.55	60.57
25-Yr Average	6.24	6.04	6.39	4.95	4.26	4.55	6.26	4.91	3.68	3.29	4.17	5.26	60.00
Clinch Above Norris Dam	5.62	7.19	4.52	3.64	3.40	5.36	5.38	2.38	5.30	2.67	4.08	3.47	53.01
25-Yr Average	4.78	4.41	4.80	3.69	3.89	4.00	5.06	4.06	2.80	2.33	3.30	3.84	46.95
Hivasssee Above Charleston	8.04	7.45	5.09	5.89	2.16	5.71	5.11	3.31	4.64	3.34	6.00	2.83	59.57
25-Yr Average	6.03	5.93	6.10	4.98	4.07	4.32	5.78	4.43	3.38	2.99	4.10	5.07	57.18
Hivasssee Above Hivasssee Dam	8.41	6.77	5.34	6.49	1.95	5.92	6.06	3.79	5.02	3.05	5.49	2.87	61.16
25-Yr Average	5.97	5.98	6.21	5.10	4.20	4.55	6.13	4.63	3.50	3.10	3.96	5.11	58.44

Note: 25-Year Averages Based on 1935-1959 Averages.



RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

Stream	Station	Drainage Area sq. mi.	January 1 - December 31, 1962			Runoff in Percent of Rainfall	Rainfall Minus Runoff inches
			Rain- fall inches	Depar- ture ^a inches	Run- off inches		
Big Sandy River	Bruceton	205	48.4	-4.3	19.6	40.5	28.8
Duck River	Hurricane Mills	2571	59.0	+7.8	28.8	48.8	30.2
Bear Creek	Bishop	667	52.2	-1.8	27.7	53.1	24.5
Elk River	Prospect	1784	58.6	+4.4	28.0	47.8	30.6
Paint Rock River	Woodville	320	57.3	+1.6	35.7	62.3	21.6
South Chickamauga Creek	Chickamauga	428	57.7	+4.2	26.3	45.6	31.4
Toccoa River	Dial	177	57.3	-8.8	38.9	67.9	18.4
Sewee Creek	Decatur	117	56.2	+3.2	26.4	47.0	29.8
Emory River	Oakdale	764	61.9	+8.9	33.5	54.1	28.4
Clinch River	Tazewell	1474	50.3	+5.3	21.7	43.1	28.6
Little Tennessee River	Needmore	436	59.8	-1.4	33.3	55.7	26.5
North Fork Holston River	Saltville	222	45.6	+4.0	19.8	43.4	25.8
Little Pigeon River	Sevierville	353	55.6	+1.3	24.8	44.6	30.8
French Broad River	Asheville	945	56.4	-1.1	30.4	53.9	26.0

a. Rainfall departures are referred to the 25-year means for the period 1935-1959.

b. Runoff departures are referred to medians furnished by the U. S. Geological Survey.

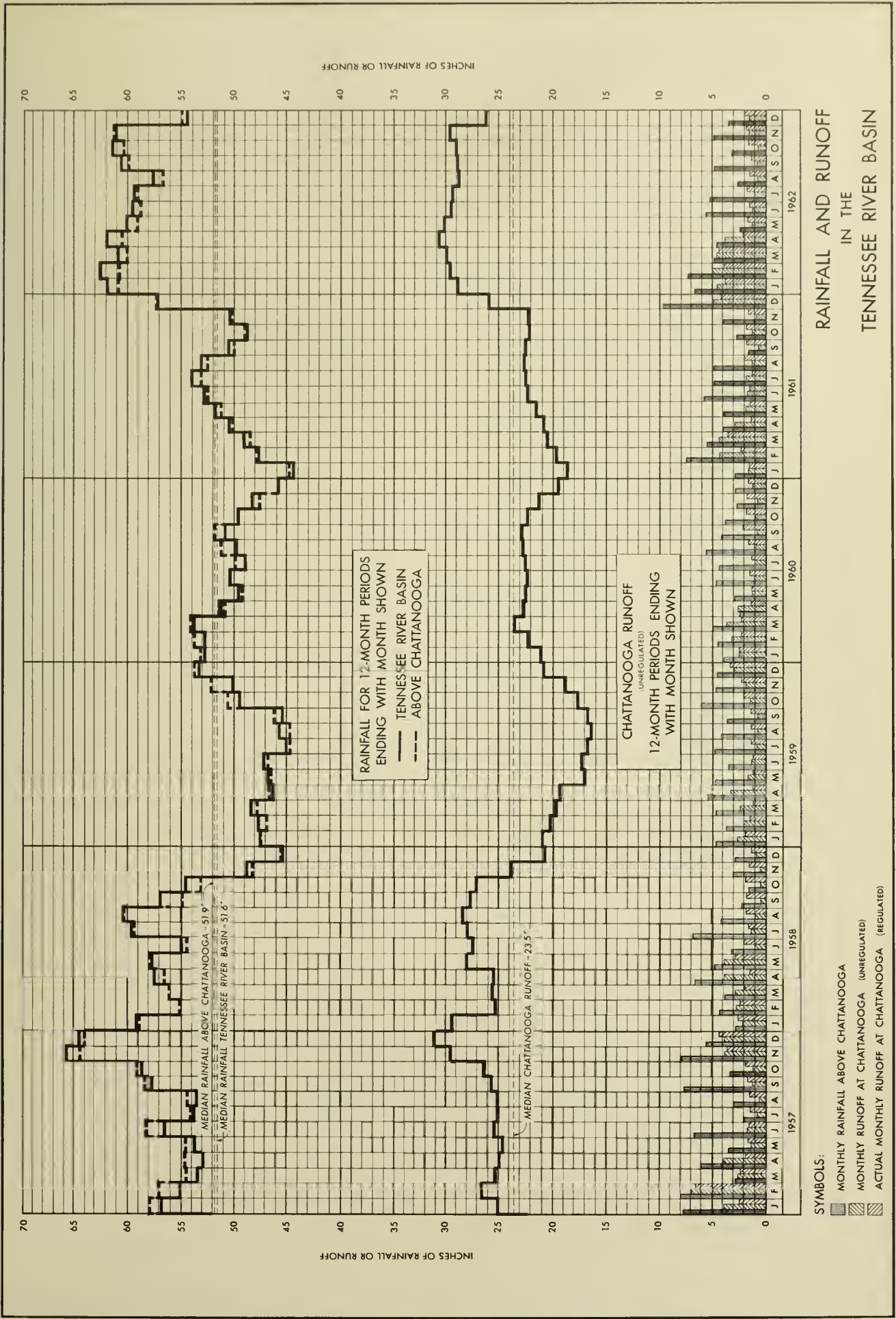
Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions." Runoff data are furnished by the U. S. Geological Survey and are tentative.

MEAN PRECIPITATION AND MEDIAN RUNOFF FOR SELECTED WATERSHEDS

Stream	Station	Drainage Area sq. mi.	Period of Record	Precipitation and Runoff in Inches													
				Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
Big Sandy River	Bruceton	205	1937-1962 1930-1950	Rainfall	6.50	5.14	5.57	4.60	4.26	4.22	3.97	3.28	3.14	2.54	4.54	4.45	52.51
				Runoff	2.95	1.78	2.90	1.60	1.13	0.54	0.61	0.55	0.47	0.52	0.77	1.44	18.18
Duck River	Hurricane Mille	2571	1937-1962 1921-1945	Rainfall	6.32	5.81	5.33	4.33	3.96	3.92	4.07	3.48	3.17	2.36	4.16	4.56	51.47
				Runoff	2.55	2.61	3.42	2.56	1.25	0.64	0.44	0.46	0.31	0.27	0.55	1.21	18.87
Bear Creek	Bishop	667	1937-1962 1927-1945*	Rainfall	6.12	6.17	6.16	4.82	3.71	3.74	4.44	3.86	3.11	2.38	4.36	5.10	53.97
				Runoff	2.5	3.0	3.5	2.6	1.3	0.6	0.5	0.4	0.3	0.3	0.5	1.2	20.0
Elk River	Prospect	1784	1937-1962 1921-1945	Rainfall	6.30	6.24	5.64	4.50	4.00	3.93	4.58	3.59	3.64	2.49	4.41	5.13	54.45
				Runoff	2.63	2.96	3.57	2.74	1.28	0.55	0.51	0.44	0.30	0.22	0.40	1.29	21.72
Paint Rock River	Woodville	320	1937-1962 1936-1950	Rainfall	6.26	6.36	5.90	4.61	4.03	4.05	4.71	3.57	3.69	2.40	4.67	5.46	55.71
				Runoff	3.07	5.41	4.78	3.24	1.04	0.36	0.58	0.22	0.13	0.08	0.34	1.09	25.73
South Chickamauga Creek	Chickamauga	428	1937-1962 1929-1950	Rainfall	5.67	5.93	5.55	4.52	3.58	4.13	4.88	3.85	3.67	2.88	4.01	4.97	53.64
				Runoff	2.24	3.14	3.29	2.16	1.14	0.67	0.72	0.64	0.41	0.37	0.61	1.30	21.31
Toccoa River	Dial	177	1937-1962 1921-1945	Rainfall	6.39	7.12	7.02	5.66	4.64	4.88	6.50	5.25	3.98	3.59	4.52	6.17	65.72
				Runoff	3.30	3.63	4.48	4.58	3.65	2.45	2.19	1.86	1.42	1.28	1.60	2.33	34.38
Sewee Creek	Decatur	117	1937-1962 1935-1950	Rainfall	5.69	5.81	5.44	4.36	3.70	3.89	4.89	3.85	3.51	2.80	4.04	5.14	53.12
				Runoff	2.60	3.64	3.52	2.54	1.08	0.59	0.74	0.41	0.24	0.32	0.59	1.32	23.03
Emory River	Oakdale	764	1937-1962 1921-1945	Rainfall	5.82	5.70	5.24	4.18	3.96	4.16	4.83	4.13	3.51	2.66	4.14	5.07	53.40
				Runoff	3.32	3.75	4.14	3.15	1.37	0.56	0.31	0.38	0.09	0.05	0.41	2.00	23.88
Clinch River	Tazewell	1474	1937-1962 1921-1945	Rainfall	4.18	4.17	4.31	3.40	3.89	4.20	5.23	4.14	2.93	2.35	2.98	3.47	45.25
				Runoff	2.34	2.66	2.62	2.03	1.46	0.75	0.73	0.48	0.35	0.35	0.57	1.47	19.68
Little Tennessee River	Needmore	436	1937-1962 1930-1950	Rainfall	5.94	6.33	6.54	5.01	4.24	5.02	6.04	5.09	3.86	3.40	4.20	5.53	61.20
				Runoff	3.15	3.84	3.86	3.51	2.82	1.82	1.64	1.55	1.28	1.20	1.56	2.06	30.88
North Fork Holston River	Saltville	222	1937-1962 1921-1950	Rainfall	3.48	3.45	3.81	3.08	3.93	4.01	4.75	4.16	2.92	2.33	2.61	3.12	41.65
				Runoff	2.35	2.61	2.51	1.71	1.79	0.74	0.58	0.52	0.30	0.32	0.67	1.35	18.05
Little Pigeon River	Sevierville	353	1937-1962 1921-1945	Rainfall	4.99	5.09	5.05	4.12	4.12	5.15	6.49	5.04	3.45	2.98	3.69	4.26	54.43
				Runoff	2.33	2.60	3.08	2.25	1.60	0.93	1.29	1.21	0.65	0.46	0.75	1.37	21.07
French Broad River	Asheville	945	1937-1962 1921-1945	Rainfall	4.74	5.07	5.58	4.57	4.23	5.00	5.97	5.98	4.25	3.64	3.87	4.65	57.55
				Runoff	2.32	2.47	2.84	2.74	2.27	1.70	1.59	1.60	1.41	1.12	1.39	2.02	26.92

*Record broken - 1929 and 1933

Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions." Runoff medians furnished by U. S. Geological Survey.



EVAPORATION DATA—YEAR 1962

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Paris, Tenn.	1.08	1.80a	2.40	4.20a	6.44	5.24	6.73	6.93	3.48a	3.14	1.52	0.76	43.72a
Murphy, N. C.	0.86a	1.69	2.54a	3.94	6.35	5.55	6.15	5.73a	4.58	3.25	1.48	1.04a	43.16a
Beetree Dam, N. C.	0.88a	1.26a	2.05a	3.70a	5.70	4.32	5.06	4.87	2.73a	1.75a	1.20a	0.59a	34.11a
Jefferson City, Tenn.	0.96a	2.06	2.64a	3.94	6.79	5.48	6.36	5.98	4.13a	3.24	1.70	1.10a	44.38a
Guntersville, Ala.	1.52a	2.83	3.32a	4.90	8.05	6.79	7.66	7.61	5.33a	4.15a	2.82	1.35	56.33a
Marion, Va.	1.02a	1.54	2.50	3.96	6.53	5.59a	6.08a	6.19	4.13a	3.03	1.43	1.26a	43.26a
Precipitation (Inches)													
Paris, Tenn.	4.73	9.56	5.66	5.11	2.79	4.64	2.19	1.17	8.57	1.54	1.80	1.74	49.50
Murphy, N. C.	7.98	7.61	6.07	4.93	1.42	3.77	6.98	3.21	8.51	3.07	5.95	3.01	62.51
Beetree Dam, N. C.	4.76	3.70	4.81	3.57	2.48	6.10	3.87	5.71	3.29	2.43	4.11	1.87	46.70
Jefferson City, Tenn.	5.91	7.49	5.12	2.96	1.64	4.66	4.00	2.92	5.08	2.77	4.13	3.44	50.12
Guntersville, Ala.	9.37	3.70	6.01	6.66	2.54	4.10	3.09	1.43	4.73	1.82	6.07	3.67	53.19
Marion, Va.	5.07	5.17	3.48	2.31	5.90	4.86	9.45	1.75	3.28	2.07	3.93	4.93	52.20
Average Air Temperature (Degrees F)													
Paris, Tenn.	36	44	43	54	74	74	77	78	66	60	46	34	57
Murphy, N. C.	38	46	43	51	69	70	73	71	65	56	44	33	55
Beetree Dam, N. C.	35	43	41	49	67	67	70	68	61	54	45	31	53
Jefferson City, Tenn.	35	44	44	51	70	72	74	74	68	58	44	33	56
Guntersville, Ala.	39	51	47	58	76	75	80	81	74	64	50	39	61
Marion, Va.	31	41	39	49	66	67	68	68	61	53	41	30	51
Average Water Temperature (Degrees F)													
Paris, Tenn.	38a	49a	50	60	80	82	85	83	74	67	51	40a	63a
Murphy, N. C.	43a	52	53	59	78	80	83	82	74	63a	50	39a	63a
Beetree Dam, N. C.	--	45a	47a	52a	74a	75	78	77	68	56a	45	--	--
Jefferson City, Tenn.	39a	50	51	58	77	79	81	81	73	63a	50	37a	62a
Guntersville, Ala.	44a	56	53	62	82	84	87	85	78	69	54	43a	66a
Marion, Va.	--	44a	45	52	71a	74	75	76	66	57	44	--	--
Average Relative Humidity (Percent)													
Paris, Tenn.	76	76	72	67	72	81	73	71	83	77	72	76	75
Murphy, N. C.	87	78	77	71	74	84	84	83	84	82	85	83	81
Beetree Dam, N. C.	79	72	74	68	79	88	86	88	87	79	78	76	80
Jefferson City, Tenn.	81	75	72	68	72	82	82	83	83	81	81	78	78
Guntersville, Ala.	77	74	75	73	74	84	79	78	79	80	80	82	78
Marion, Va.	81	81	80	78	88	88	86	86	86	81	83	82	83
Average Wind Velocity (Miles Per Hour)													
Paris, Tenn.	1.24	1.07	1.13	0.97	0.60	0.29	0.34	0.37	0.19	---	---	---	---
Murphy, N. C.	0.72	0.84	1.10	0.78	0.29	0.30	0.13	0.31	0.38	0.46	0.57	0.79	0.56
Beetree Dam, N. C.	1.13	1.38	1.59	1.55	0.83	0.50	---	---	0.57	0.81	1.19	1.31	---
Jefferson City, Tenn.	1.99	1.66	1.78	1.46	0.78	0.44	0.43	0.19	0.27	0.42	0.80	1.06	0.94
Guntersville, Ala.	2.34	2.39	2.60	1.94	1.17	0.83	0.75	0.97	0.94	1.03	1.43	1.69	1.51
Marion, Va.	2.64	2.70	2.73	2.40	1.65	---	1.22	1.23	1.42	1.56	2.20	2.53	---

a = Partly computed.

MONTHLY AND ANNUAL RAINFALL AND RUNOFF
TENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>	<u>Annual</u>
1962	6.64	7.27	4.77	4.48	2.42	5.59	5.13	2.58	4.86	3.09	4.77	3.40	55.00
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	7.69	8.37	10.30	9.98	64.09
Minimum	1.42	0.96	1.37	0.95	0.80	1.73	2.02	1.25	0.77	0.17	0.44	1.06	37.23
Mean ^a	4.57	4.67	5.30	4.19	4.10	4.44	5.28	4.50	3.26	2.89	3.24	4.55	50.99
Median ^a	4.24	4.46	5.08	4.18	3.80	4.46	5.05	4.15	3.14	2.48	3.00	4.22	51.93

a. For Period 1890 - 1959

Runoff in Inches 1874 - 1962
(Unregulated)

1962	4.51	4.95	4.62	3.80	1.17	1.15	0.99	0.70	0.68	0.69	1.51	1.51	26.28
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean ^b	3.05	3.27	3.74	2.98	2.02	1.44	1.33	1.14	0.85	0.79	1.11	1.92	23.64
Median ^b	2.81	3.09	3.25	2.71	1.80	1.26	1.12	0.94	0.70	0.70	0.84	1.68	23.59

b. For Period 1874 - 1959

Runoff in Cubic Feet Per Second 1874 - 1962
(Unregulated)

1962	83,700	101,800	85,900	72,800	21,800	22,100	18,400	13,000	13,000	12,800	29,000	28,000	41,400
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean ^b	56,600	67,200	69,400	57,200	37,500	27,600	24,700	21,200	16,300	14,700	21,300	35,600	37,200
Median ^b	52,200	63,500	60,300	52,000	33,400	24,200	20,800	17,400	13,400	13,000	16,100	31,200	37,200

b. For Period 1874 - 1959

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u> <u>Amount</u>	<u>Year</u>	<u>Minimum</u> <u>Amount</u>	<u>Year</u>	<u>Year</u> 1962
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ELIZABETHTON, TENNESSEE (71 Years)

January	3.47	8.13	1947	0.46	1896	5.75
February	3.44	7.59	1944	0.48	1906	4.91
March	4.18	10.72	1899	1.37	1937	3.00
April	3.35	6.05	1912	0.65	1942	2.93
May	4.01	7.73	1915	1.08	1941	2.73
June	4.67	16.38	1872	1.33	1946	3.11
July	5.14	10.56	1896	1.10	1872	3.69
August	4.38	12.14	1901	0.89	1896	2.35
September	2.87	7.61	1928	0.30	1903	3.86
October	2.52	7.61	1918	0.02	1904	3.41
November	2.40	5.02	1948	0.61	1931	3.46
December	3.38	9.87	1872	0.80	1935	3.59
Annual	43.81	58.91	1928	29.06	1941	42.79

HENDERSONVILLE, NORTH CAROLINA (66 Years)

January	4.69	12.40	1906	0.39	1907	5.49
February	4.70	10.73	1891	0.54	1930	3.86
March	5.39	11.67*	1891	0.96	1930	6.01
April	4.35	9.38	1920	0.43	1915	3.82
May	4.42	12.70	1942	0.95	1914	1.33
June	5.21	11.56	1934	0.96	1911	7.35
July	6.09	22.09	1916	1.72	1957	3.47
August	6.00	26.58	1901	0.49	1925	2.20
September	4.40	14.00	1906	0.22	1919	2.98
October	4.06	14.59	1918	0.01	1904	5.34
November	3.35	12.54	1948	0.21	1910	5.04
December	5.14	12.85	1918	0.93	1955	2.92
Annual	57.80	92.60	1901	32.55	1925	49.81

*Also Maximum for March 1952

KNOXVILLE, TENNESSEE (92 Years)

January	4.69	16.98	1882	1.29	1907	6.39
February	4.78	12.52	1873	0.56	1898	8.57
March	5.08	13.35	1917	0.72	1910	4.58
April	4.21	17.32	1874	0.70	1942	3.36
May	3.73	8.81	1938	0.71	1941	1.93
June	4.17	11.83	1928	1.39	1936	4.58
July	4.59	13.16	1917	0.69	1901	4.36
August	3.80	11.33	1920	1.10	1953	1.35
September	2.84	10.78	1944	0.18	1961	4.37
October	2.56	9.51	1925	0.07	1904	2.87
November	3.37	11.69	1948	0.17	1890	4.24
December	4.38	12.34	1901	0.95	1896	3.68
Annual	48.20	73.87	1875	33.67	1930	50.28

PRECIPITATION STATISTICS FOR SELECTED STATIONS--Continued

Precipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u> <u>Amount</u>	<u>Year</u>	<u>Minimum</u> <u>Amount</u>	<u>Year</u>	<u>Year</u> 1962
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MURPHY, NORTH CAROLINA (88 Years)

January	5.58	14.85	1882	1.75	1907	7.82
February	5.76	15.10	1873	0.56	1906	7.49
March	6.21	15.34	1917	2.09	1918	5.36
April	4.78	15.40	1874	0.30	1915	5.13
May	4.00	11.25	1929	0.46	1941	1.40
June	4.97	9.31	1884	0.98	1958	3.59
July	5.64	13.42	1950	0.89	1957	6.69
August	4.94	13.96	1920	0.95	1953	2.98
September	3.32	8.04	1962	0.20	1876	8.04
October	3.03	9.27	1949	T	1904	2.69
November	3.81	13.18	1948	0.51	1924	5.70
December	5.26	12.98	1932	1.09	1898	2.55
Annual	57.30	84.80	1875	40.00	1940	59.44

CHATTANOOGA, TENNESSEE (84 Years)

January	5.28	14.74	1882	1.13	1961	7.79
February	5.12	12.30	1939	0.62	1941	9.47
March	5.81	14.05	1899	0.93	1910	4.42
April	4.63	15.29	1911	0.44	1942	4.46
May	3.85	12.00	1929	0.54	1941	1.68
June	4.07	9.40	1949	0.29	1931	5.31
July	4.57	13.49	1916	0.20	1957	4.89
August	3.78	12.36	1920	0.45	1929	1.17
September	3.14	12.19	1957	0.04	1919	3.48
October	2.98	11.91	1925	0.08	1938	3.38
November	3.61	13.59	1948	0.16	1890	6.06
December	5.13	13.68	1961	0.44	1889	3.28
Annual	51.97	72.37	1929	32.68	1904	55.39

LEWISBURG, TENNESSEE (69 Years)

January	5.33	17.05	1950	1.26	1943	8.40
February	5.25	13.14	1939	1.08	1941	10.32
March	5.90	12.50	1902	0.94	1910	4.84
April	4.49	12.60	1912	0.56	1915	6.20
May	3.98	8.50	1933	0.60	1941	1.30
June	4.03	13.46	1900	0.72	1899	5.43
July	4.36	9.85	1941	0.84	1954	5.92
August	3.89	11.40	1923	0.57	1909	1.40
September	3.19	12.41	1957	0.32	1927	3.81
October	2.88	8.88	1919	0.05	1924	2.32
November	3.82	10.27	1948	0.46	1953	5.69
December	4.84	11.71	1922	0.77	1958	1.96
Annual	51.96	66.62	1950	37.42	1904	57.59

PRECIPITATION STATISTICS FOR SELECTED STATIONS--ContinuedPrecipitation in Inches

<u>Month</u>	<u>Mean</u>	<u>Maximum</u> <u>Amount</u>	<u>Year</u>	<u>Minimum</u> <u>Amount</u>	<u>Year</u>	<u>Year</u> 1962
<u>MUSCLE SHOALS, ALABAMA* (79 Years)</u>						
January	5.18	13.09	1950	1.20	1961	7.27
February	5.14	13.64	1948	0.54	1941	6.76
March	5.80	16.15	1897	1.26	1910	5.24
April	4.55	16.07	1892	0.74	1930	4.52
May	3.85	11.29	1939	0.16	1941	1.41
June	4.06	13.87	1900	0.60	1897	5.53
July	4.46	14.60	1916	0.77	1935	3.54
August	3.72	10.60	1894	0.35	1948	2.34
September	2.98	7.87	1890	0.00	1897	4.76
October	2.63	11.05	1918	0.00	1924	1.45
November	3.53	11.39	1948	0.16	1949	2.59
December	4.88	14.59	1926	0.83	1958	2.73
Annual	50.78	76.21	1932	30.92	1943	48.14

*Before December 1940 this station was at Florence, Alabama.

JOHNSONVILLE, TENNESSEE* (79 Years)

January	5.50	23.51	1937	0.64	1944	6.06
February	4.38	9.56	1939	0.79	1947	8.81
March	5.23	13.07	1927	0.59	1910	6.62
April	4.63	12.29	1892	0.53	1887	3.27
May	4.25	10.19	1909	0.48	1951	2.82
June	4.08	13.34	1928	0.37	1930	5.41
July	4.08	10.12	1892	0.06	1890	2.88
August	3.68	13.70	1914	0.34	1948	2.34
September	3.43	11.31	1921	0.00	1897	5.34
October	2.83	11.44	1919	T	1924	1.88
November	4.14	11.90	1906	0.74	1949	0.94
December	4.53	14.66	1926	0.05	1889	1.08
Annual	50.76	76.17	1950	32.48	1960	47.45

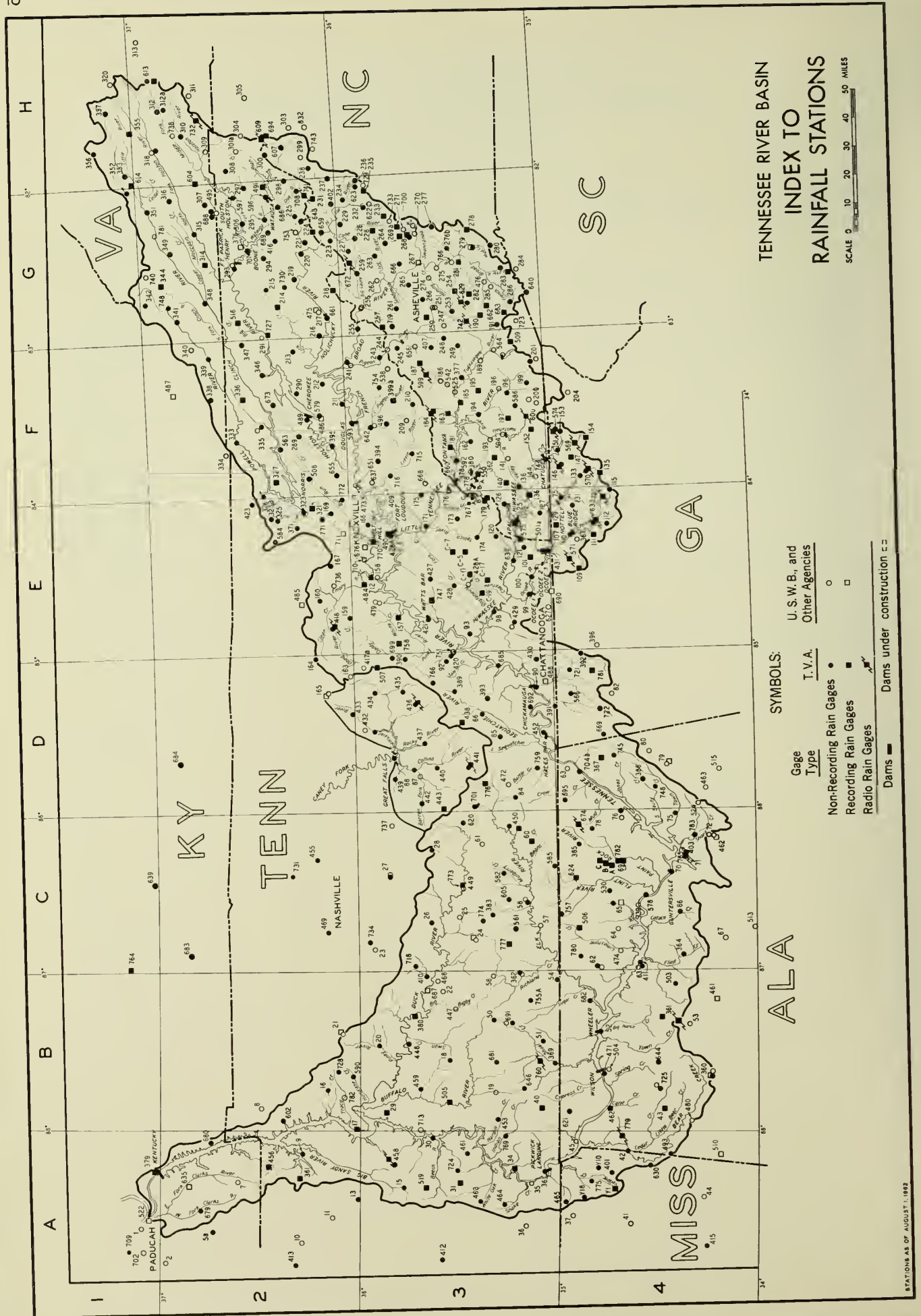
*Since August 1949 records collected at Johnsonville Steam Plant have been used.

MAXIMUM PRECIPITATION
FOR VARIOUS TIME INTERVALS DURING 1962

<u>Station Number</u>	<u>Station Name</u>	<u>Date of Record</u>	<u>Duration hours</u>	<u>Precip- itation inches</u>
210	Mt. LeConte, Tenn.	Aug. 7	0.25	0.75
750	Antioch, Ga.	Aug. 5	0.5	2.28
179	Haw Knob, Tenn. (R)	July 25	1.0	2.50
277	Garren Creek, N. C.	Aug. 22-23	10.5	5.30
191	Owens Gap, N. C.	Oct. 2-3	*	7.43*
179	Haw Knob, Tenn. (R)	Jan. 22-28	146	11.87**
179	Haw Knob, Tenn. (R)	Jan. 1-31	744	15.64
179	Haw Knob, Tenn. (R)	Jan.-Feb.	1416	28.17
109	Flat Top, Ga. (R)	Jan.-Apr.	2880	45.16
109	Flat Top, Ga. (R)	Jan.-June	4344	60.20
179	Haw Knob, Tenn. (R)	Jan.-Aug.	5832	71.34
179	Haw Knob, Tenn. (R)	Jan.-Oct.	7296	84.54
109	Flat Top, Ga. (R)	Jan.-Dec.	8760	100.77

*Maximum for 24 hours, exact duration unknown.

**Also maximum for 168 hours.



Sta. No.	Station Name and Location	Index	Owner	Elev. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Total	Error	Y E A B	Length of Snow (Inches)
					Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s	Total	No.'s				
TENNESSEE RIVER - NORTH TO NEW JOHNSVILLE																																
1	PAIDRAE, NEAR R	333	USNB	81	5.26	4.74	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
2	PAIDRAE, NEAR R	348	USNB	22	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
3	PAIDRAE, NEAR R	354	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
4	PAIDRAE, NEAR R	360	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
5	PAIDRAE, NEAR R	366	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
6	PAIDRAE, NEAR R	372	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
7	PAIDRAE, NEAR R	378	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
8	PAIDRAE, NEAR R	384	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
9	PAIDRAE, NEAR R	390	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
10	PAIDRAE, NEAR R	396	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
11	PAIDRAE, NEAR R	402	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
12	PAIDRAE, NEAR R	408	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
13	PAIDRAE, NEAR R	414	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
14	PAIDRAE, NEAR R	420	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
15	PAIDRAE, NEAR R	426	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
16	PAIDRAE, NEAR R	432	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
17	PAIDRAE, NEAR R	438	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
18	PAIDRAE, NEAR R	444	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
19	PAIDRAE, NEAR R	450	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
20	PAIDRAE, NEAR R	456	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
21	PAIDRAE, NEAR R	462	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
22	PAIDRAE, NEAR R	468	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
23	PAIDRAE, NEAR R	474	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
24	PAIDRAE, NEAR R	480	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
25	PAIDRAE, NEAR R	486	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
26	PAIDRAE, NEAR R	492	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
27	PAIDRAE, NEAR R	498	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
28	PAIDRAE, NEAR R	504	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
29	PAIDRAE, NEAR R	510	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
30	PAIDRAE, NEAR R	516	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
31	PAIDRAE, NEAR R	522	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
32	PAIDRAE, NEAR R	528	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
33	PAIDRAE, NEAR R	534	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
34	PAIDRAE, NEAR R	540	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
35	PAIDRAE, NEAR R	546	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
36	PAIDRAE, NEAR R	552	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
37	PAIDRAE, NEAR R	558	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
38	PAIDRAE, NEAR R	564	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
39	PAIDRAE, NEAR R	570	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
40	PAIDRAE, NEAR R	576	USNB	13	2.17	4.94	7.35	3.76	4.09	4.85	2.35	3.48	2.43	3.48	3.82	3.32	11.16	3.12	1.90	2.79	1.17	3.96	#2.02	3.99	#2.02	3.99	1.17	3.96	3.96	3.96	4.5	4.5
41	PAIDRAE, NEAR R	582	USNB	13	2.17	4.94	7.35	3.76	4.09																							

(#) Interpoleted or partly interpolated (R) Recorder at present.

ANNUAL 1962 PRECIPITATION—In Inches

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yes. Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R		Depth of Snow (Inches)	
						Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l		Total
TENNESSEE RIVER - PICKWICK TO FLORENCE																																	
38	PICKWICK LANDING DAM	A-3	TVA	479	28	9.70	6.42	8.24	5.36	3.35	5.12	5.07	4.63	1.94	3.75	3.48	3.75	3.38	3.60	1.48	3.09	3.43	2.86	0.93	2.04	1.76	4.63	1.92	4.66	45.74	50.91	8.3	
416	GLERS	A-4	TVA	600	4	9.21	6.19	7.81	5.91	3.52	5.52	6.05	5.07	2.15	4.08	5.81	3.37	2.69	3.78	1.66	3.72	5.94	3.17	1.54	2.35	2.11	5.09	0.95	5.05	49.86	53.10	8.3	
775	BURNSVILLE	A-4	TVA	463	25	9.59	6.19	7.81	5.91	3.52	5.52	6.05	5.07	2.15	4.08	5.81	3.37	2.69	3.78	1.66	3.72	5.94	3.17	1.54	2.35	2.11	5.09	0.95	5.05	49.86	53.10	8.3	
110	TKA	A-4	TVA	600	4	9.88	6.21	7.02	6.42	3.45	5.77	6.09	4.84	2.71	4.05	5.16	3.66	2.87	3.92	1.05	3.92	4.21	2.77	1.15	2.15	1.87	4.92	2.10	4.94	47.04	52.77	9.3	
401	MIDWAY	A-4	TVA	590	24	9.40	6.21	7.90	6.42	3.43	5.77	6.06	4.84	2.74	4.05	5.16	3.66	2.87	3.92	1.05	3.92	4.21	2.77	1.15	2.15	1.87	4.92	2.10	4.94	47.04	52.77	9.3	
11	TKA, NEAR R	A-4	TVA	530	4	9.59	6.21	7.80	6.42	3.25	5.77	6.09	4.84	2.74	4.05	5.16	3.66	2.87	3.92	1.05	3.92	4.21	2.77	1.15	2.15	1.87	4.92	2.10	4.94	47.04	52.77	9.3	
41	BOONVILLE	A-4	USWB	504	68	9.51	6.04	7.23	5.70	3.08	5.90	5.09	4.87	3.90	4.12	3.73	3.70	3.86	4.06	2.02	3.82	3.25	2.88	1.30	2.99	2.33	4.68	2.47	5.42	49.40	53.95	12.0	
779	BONE CAVE, RADIO	A-4	TVA	746	2	9.6	6.40	8.11	6.19	4.30	6.27	5.61	5.33	3.41	4.26	5.56	3.48	2.12	4.24	0.70	3.67	2.81	2.87	1.40	2.27	1.47	4.43	2.8	4.93	51.80	54.39	8.2	
42	BISBOP	A-4	TVA	470	28	10.67	6.40	9.19	6.13	4.30	6.27	5.61	5.33	3.41	4.26	5.56	3.48	2.12	4.24	0.70	3.67	2.81	2.87	1.40	2.27	1.47	4.43	2.8	4.93	51.80	54.39	8.2	
810	BELLEVILLE R	B-4	TVA	810	28	7.76	5.93	9.17	6.13	4.01	6.22	5.34	5.06	3.44	4.26	3.97	3.42	2.24	4.91	0.70	3.63	3.04	2.73	1.55	2.54	1.64	4.24	1.93	4.74	44.05	52.37	8.4	
725	RUSSELLVILLE, NEAR	B-4	TVA	755	10	8.75	5.49	10.56	6.34	5.14	5.52	5.74	5.63	1.03	3.44	7.49	3.72	2.22	3.10	1.66	3.34	3.04	2.73	1.76	2.66	2.87	4.31	3.03	5.88	54.92	57.37	8.4	
725A	RUSSELLVILLE, NEAR	B-4	USWB	740	9	8.55	5.18	10.64	5.98	4.88	4.87	7.56	5.56	1.03	3.39	6.06	3.83	2.41	3.60	2.88	3.85	3.13	2.81	2.74	2.81	2.92	4.04	3.06	5.98	57.46	59.01	8.4	
630	BEAUMONT, NEAR	A-4	TVA	595	20	9.53	6.29	8.11	6.40	4.64	6.09	6.88	5.64	2.96	3.96	5.20	3.95	3.90	3.88	2.45	3.95	3.30	3.77	1.87	1.94	2.41	4.76	3.19	5.17	53.14	53.40	7.8	
483	RED BAY	A-4	TVA	680	22	9.45	6.22	9.00	6.02	6.91	6.14	8.00	5.17	2.75	4.38	3.24	3.27	3.39	3.83	1.86	3.65	3.17	2.71	1.53	2.20	2.44	4.75	3.42	5.17	55.14	55.47	6.1	
480	BODERS	B-4	USWB	870	25	10.04	5.98	7.36	6.31	4.69	5.80	8.99	4.94	1.46	3.85	3.51	3.84	2.79	4.28	2.41	3.73	3.86	3.02	1.93	2.99	2.39	4.37	3.42	5.17	55.14	55.47	6.1	
510	BEAR R	A-4	USWB	592	22	9.57	6.09	7.41	5.80	4.39	5.62	6.61	4.86	3.95	3.59	4.45	2.99	3.84	4.04	0.97	2.86	3.29	2.99	2.09	2.17	2.15	4.06	2.87	5.13	53.39	53.95	6.5	
360C	BEAUMONT	B-4	TVA	930	4	9.73	5.48	7.74	5.78	5.07	6.09	6.40	4.88	1.27	4.11	5.38	3.68	2.98	4.75	0.62	3.16	4.47	2.53	1.34	2.48	2.15	4.83	2.68	5.05	52.02	53.25	6.5	
360	BAILEYVILLE	B-4	USWB	910	26	9.53	6.61	7.16	6.21	4.59	6.27	10.72	4.86	1.14	3.67	6.36	4.59	3.12	5.43	0.65	3.90	4.49	3.41	2.22	2.38	4.71	4.37	3.10	5.41	49.59	57.11	9.5	
45	YOUNG STORE, NEAR	A-4	USWB	430	66	8.57	6.29	7.33	5.95	3.60	5.91	6.24	4.81	2.44	4.21	3.39	3.17	2.74	5.01	3.44	4.58	2.99	1.89	3.00	2.39	4.89	2.57	5.14	46.85	57.85	10.2		
681	TOWNES DAM	B-4	TVA	190	18	6.32	7.11	7.33	6.50	4.46	6.18	6.24	4.92	2.84	4.21	3.19	3.77	2.70	5.01	3.44	4.58	2.99	1.89	3.00	2.39	4.89	2.57	5.14	46.85	57.85	10.2		
462	COLBERT STEAM PLANT R	B-4	TVA	470	11	8.60	5.50	6.78	5.65	4.38	5.52	5.96	5.40	1.47	3.89	5.03	3.44	1.77	3.94	3.21	3.54	3.44	2.33	3.21	2.20	2.16	3.63	2.65	5.62	48.66	50.66		
TENNESSEE RIVER - FLORENCE TO UNIVERSITY																																	
504	MUSCLE SHOALS	B-4	USWB	534	79	7.27	5.94	6.76	5.73	5.24	5.47	4.52	4.45	1.41	3.39	5.23	3.25	3.54	4.43	2.34	3.14	4.76	2.84	1.45	2.43	2.59	3.70	2.73	4.56	48.14	49.33	6.0	
471	WILSON DAM	B-4	TVA	530	29	8.19	5.98	6.21	6.22	4.57	5.55	5.18	4.77	0.97	3.30	3.47	3.23	1.66	4.48	3.13	3.11	6.06	2.82	2.17	2.28	2.25	4.17	3.11	4.74	47.22	50.65	7.5	
369	IRON CITY	B-3	TVA	590	43	8.43	6.01	7.01	6.39	4.74	5.57	5.57	4.71	0.95	4.27	7.40	3.72	3.20	4.40	2.70	3.87	2.80	3.07	2.70	2.65	2.82	4.33	2.50	5.61	51.17	55.18	13.0	
780	WEST POINT, RADIO	B-3	TVA	960	2	8.4	6.78	7.44	6.99	4.74	6.00	4.88	4.60	2.0	4.27	4.47	4.74	2.25	4.01	1.1	3.65	3.11	2.6	2.5	2.60	2.95	4.43	2.1	2.04	49.14	56.02	9.3	
648	COLLINSWOOD	B-3	TVA	970	15	9.36	7.22	10.40	6.69	5.04	5.99	6.03	4.95	1.52	4.16	1.66	3.92	2.95	4.28	1.82	3.20	2.49	2.93	2.17	2.33	3.56	5.11	2.04	5.44	49.64	56.02	9.3	
51	LORETO	B-3	TVA	840	35	9.26	6.43	8.82	6.24	5.23	6.11	6.37	4.75	1.25	4.86	3.88	3.22	2.82	4.95	1.62	3.47	2.70	3.02	2.99	2.69	3.59	4.85	2.43	5.05	51.11	54.94	11.0	
621	LAURENCEBURG	B-3	TVA	840	14	8.43	7.20	8.62	6.24	5.23	6.11	6.37	4.75	1.25	4.86	3.88	3.22	2.82	4.95	1.62	3.47	2.70	3.02	2.99	2.69	3.59	4.85	2.43	5.05	51.11	54.94	11.0	
691A	LAURENCEBURG	B-3	USWB	947	8	8.36	4.84	8.40	6.30	5.02	6.13	5.01	5.01	1.30	4.85	5.02	4.16	5.01	3.81	1.61	2.75	3.40	3.01	3.80	3.01	3.28	4.35	2.63	5.09	49.02	54.30	10.0	
50	SPRING	B-3	TVA	875	27	8.07	2.93	9.48	6.07	4.60	5.32	5.42	4.61	1.90	3.86	4.63	3.37	2.04	4.26	1.27	3.33	6.19	3.13	2.71	2.41	3.28	4.47	2.07	4.65	51.49	51.41	8.1	
481	KIRBY	B-4	TVA	580	27	8.00	6.08	7.94	6.16	4.45	5.25	5.25	4.45	1.90	3.86	4.63	3.37	2.04	4.26	1.27	3.33	6.19	3.13	2.71	2.41	3.28	4.47	2.07	4.65	51.49	51.41	7.5	
644	REBERG	B-4	TVA	825	19	9.24	6.20	8.95	5.49	5.10	5.09	5.75	5.15	0.69	3.88	6.63	3.83	1.64	4.84	2.83	3.29	3.08	3.30	1.83	1.98	3.75	4.69	3.85	4.91	52.91	53.45	6.5	
381	SEDAWAKER SPRINGS	B-4	TVA	740	15	8.60	7.11	9.77	6.22	5.98	5.89	5.09	4.40	1.15	4.14	5.55	4.33	3.31	5.32	1.04	2.91	3.09	3.60	2.40	3.91	4.84	3.64	3.96	3.01	4.27	51.76	48.26	7.2
381A	MOUNTAIN, RADIO	B-4	TVA	990	7	8.1	4.8	6.1	6.2	5.1	4.7	6.5	5.0	1.2	3.7	4.6	4.0	3.5	2.1	3.4	2.1	3.4	2.1	3.4	2.1	3.4	2.1	3.4	2.1	3.4	51.76	48.26	7.2
53	CENTRAL TOWER	B-4	USWB	990	28</																												

ANNUAL 1962 PRECIPITATION—In Inches

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs. of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Y E A R	Depth of Snow (inches)														
CANEY FORK ABOVE ROCK ISLAND (CONT'D)																																		
878	MOHAWK	D-3	TVA	1000	21	8.20	6.27	8.80	5.84	6.38	4.88	6.44	3.77	1.09	4.06	4.89	4.20	3.51	5.00	2.71	3.87	4.35	4.18	3.10	4.98	58.57	52.89	14.0						
442	TRUSSVILLE	D-3	TVA	980	23	8.27	5.97	8.27	5.88	5.69	5.12	7.95	3.83	1.89	3.62	4.10	3.68	4.39	3.91	1.32	1.01	3.17	3.17	3.90	3.10	4.88	58.56	22.89	14.0					
443	SMITHVILLE R	D-3	TVA	1120	23	7.88	6.27	8.28	6.02	7.04	5.31	6.54	3.93	2.07	3.83	4.33	3.74	4.20	4.21	1.19	3.58	4.90	3.42	3.90	3.10	4.88	57.94	21.60	14.0					
437	ROCKY RIVER	D-3	TVA	920	23	8.16	6.27	8.14	6.63	6.29	5.17	6.54	4.14	1.40	3.74	3.10	4.66	3.02	4.32	2.30	4.51	7.87	3.65	3.59	3.56	3.80	4.91	63.46	23.31	13.7				
432	SPARTA, NEAR	D-3	USWB	960	23	49.78	6.22	9.36	5.63	6.09	5.60	6.29	4.33	1.29	3.97	2.90	4.18	3.06	4.93	3.52	3.14	6.91	3.95	3.59	3.66	3.80	4.91	63.46	23.31	13.7				
433	TAYLORS	D-2	TVA	940	23	10.17	6.13	9.77	2.46	5.13	3.36	6.83	4.10	1.31	3.76	4.54	4.16	4.48	3.46	1.82	3.46	7.82	4.27	2.87	3.50	3.62	4.10	63.46	23.31	13.7				
434	MONTGOMERY	D-2	USWB	1900	31	10.26	7.01	8.51	5.07	5.98	5.22	7.18	4.98	1.97	4.58	4.41	4.84	4.03	4.80	1.27	4.82	4.67	3.43	3.93	4.36	3.20	5.90	67.86	22.99	16.5				
435	EASTLAND	D-3	TVA	1150	43	9.22	6.21	8.59	5.59	5.81	5.50	7.18	4.92	1.89	3.86	6.38	4.68	3.58	4.60	2.47	4.25	5.26	3.49	5.93	2.78	5.71	4.11	4.46	5.55	58.38	55.59	25.2		
435	REBERT	D-3	TVA	1695	23	8.86	5.45	9.58	5.35	6.38	4.81	5.48	4.32	1.39	3.48	3.08	3.91	4.22	4.61	2.24	3.63	4.14	3.03	3.73	3.68	3.14	4.85	60.93	49.25	25.5				
436	FALLS CREEK PARK	D-3	TVA	1300	23	8.39	5.38	8.79	5.61	5.86	5.03	5.12	4.88	1.48	3.71	3.56	4.03	4.27	4.59	1.24	4.09	3.38	3.33	3.43	3.59	3.61	5.14	57.10	52.36	25.1				
438	FALLS CREEK PARK, RADIO	D-3	TVA	1500	15	8.0	4.4	8.5	5.3	5.6	4.9	4.1	1.8	1.2	3.3	2.6	4.0	4.9	4.0	4.9	4.0	4.2	4.8	4.2	4.0	5.1	56.2	53.1	25.1					
TENNESSEE RIVER - CHICKAMAUGA TO WATTS BAR																																		
50	CHICKAMAUGA DAM	D-3	TVA	700	27	8.27	6.20	9.00	5.70	4.21	5.98	6.11	4.67	1.00	3.89	5.83	3.93	5.09	4.65	0.63	3.52	3.19	3.25	3.17	2.92	3.72	5.27	56.66	53.80	15.3				
796	JERRY R	D-3	TVA	1605	23	7.52	5.73	8.51	5.23	6.14	5.28	6.18	4.58	1.86	3.15	3.15	3.15	6.47	3.04	2.04	3.12	6.76	3.66	3.19	2.64	6.61	4.76	64.64	51.40	18.2				
393	LEWIS CAPEL	D-3	TVA	1050	24	7.58	6.46	8.78	6.22	5.71	6.20	5.52	4.35	1.44	3.68	6.68	4.50	4.37	4.81	3.35	3.82	3.15	4.16	2.92	2.79	4.59	3.00	5.78	59.37	57.76	12.0			
695	FRIENDSHIP SCHOOL	D-3	TVA	725	15	7.88	6.46	8.78	6.22	5.71	6.20	5.52	4.35	1.44	3.68	6.68	4.50	4.37	4.81	3.35	3.82	3.15	4.16	2.92	2.79	4.59	3.00	5.78	59.37	57.76	12.0			
420	MORGANTOWN	D-3	TVA	740	23	7.23	5.88	9.04	5.67	5.92	5.26	4.75	5.12	1.48	3.71	3.56	4.04	4.27	4.59	1.24	4.09	3.38	3.33	3.43	3.59	3.61	5.14	57.10	52.36	25.1				
92	MORGAN SPRINGS	D-3	TVA	1900	28	8.01	6.84	9.13	6.14	5.47	5.31	5.02	5.38	1.29	3.27	5.03	4.23	4.09	3.80	3.46	3.33	3.89	4.66	3.33	2.76	6.69	4.62	4.02	5.73	56.05	53.34	15.3		
751	LAYTON	D-3	USWB	864	6	6.78	4.84	9.13	6.14	5.47	5.31	5.02	5.38	1.29	3.27	5.03	4.23	4.09	3.80	3.46	3.33	3.89	4.66	3.33	2.76	6.69	4.62	4.02	5.73	56.05	53.34	15.3		
747	RODGE CROSSROAD R	E-3	TVA	780	7	45.30	4.38	9.04	6.59	5.53	4.86	5.42	5.07	1.19	2.68	4.73	4.32	5.30	4.37	2.36	3.23	4.09	4.73	2.38	2.76	6.69	4.62	4.02	5.73	56.05	53.34	15.3		
427	FIDDLERS STORE	E-3	TVA	1020	23	6.04	5.73	8.29	5.68	5.02	5.62	5.07	4.22	0.68	3.75	5.37	3.51	3.72	5.36	1.71	3.94	4.69	3.50	2.55	2.79	6.41	3.97	3.54	4.92	52.69	52.94	15.3		
TENNESSEE RIVER - WATTS BAR TO KNOXVILLE																																		
421	WATTS BAR DAM	E-3	TVA	830	23	7.58	5.84	8.72	5.61	5.02	5.62	6.32	4.60	1.55	3.80	4.90	3.90	6.30	4.97	3.35	3.12	5.26	3.66	4.10	2.70	6.49	4.10	3.64	5.31	63.23	53.23	5.7		
796	JERRY R	E-3	TVA	1605	23	7.56	5.84	8.72	5.61	5.02	5.62	6.32	4.60	1.55	3.80	4.90	3.90	6.30	4.97	3.35	3.12	5.26	3.66	4.10	2.70	6.49	4.10	3.64	5.31	63.23	53.23	5.7		
157	ROUNT R	E-3	TVA	765	27	7.11	5.87	8.65	5.67	6.62	5.25	5.84	4.58	1.87	3.62	3.28	3.63	5.45	5.44	1.51	3.16	7.95	3.28	3.73	2.64	5.47	4.75	5.98	59.26	51.78	16.0			
479	PRIVATE	E-3	USWB	910	44	6.85	6.06	8.69	5.67	6.65	5.90	5.25	4.54	1.48	4.08	4.10	3.61	5.45	5.44	1.51	3.16	7.95	3.28	3.73	2.64	5.47	4.75	5.98	59.26	51.78	16.0			
478	ROCKWOOD	E-3	USWB	930	68	6.43	5.28	8.26	5.26	5.26	5.26	5.26	5.26	0.56	3.65	7.68	3.39	5.13	5.13	1.66	7.07	7.07	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
170	LONDON	E-3	USWB	800	68	6.43	5.28	8.26	5.26	5.26	5.26	5.26	5.26	0.56	3.65	7.68	3.39	5.13	5.13	1.66	7.07	7.07	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
426A	LEWIS CITY	E-3	USWB	780	68	6.43	5.28	8.26	5.26	5.26	5.26	5.26	5.26	0.56	3.65	7.68	3.39	5.13	5.13	1.66	7.07	7.07	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
490	PORT LONDON DAM R	E-3	TVA	880	22	6.09	5.79	8.26	5.59	5.13	4.87	5.08	4.51	4.01	0.82	3.72	5.55	2.85	9.22	5.25	0.83	2.68	2.99	3.17	2.31	2.81	2.99	3.17	2.31	2.81	2.99	3.17	2.31	2.81
637	U. S. COTTON FIELD STA	F-3	USDA	895	28	46.89	5.37	8.39	5.13	4.87	5.08	4.51	4.01	0.82	3.72	5.55	2.85	9.22	5.25	0.83	2.68	2.99	3.17	2.31	2.81	2.99	3.17	2.31	2.81	2.99	3.17	2.31	2.81	2.99
109	KNOXVILLE AIRPORT R	F-3	USWB	984	24	6.82	4.88	9.96	4.81	4.13	4.73	3.84	3.70	1.88	3.90	5.05	3.33	7.82	4.82	2.08	3.46	5.13	2.94	2.20	2.61	4.60	3.84	3.67	4.23	54.36	45.85	23.9		
394	PRINCETON	F-3	USWB	1100	28	7.10	5.09	9.20	6.02	4.45	5.01	4.32	4.22	1.87	3.27	4.28	4.50	5.70	4.68	0.81	2.68	2.93	3.44	2.11	2.59	5.09	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59
716	WILKINSON, NEAR	F-3	TVA	885	12	7.10	5.09	9.20	6.02	4.45	5.01	4.32	4.22	1.87	3.27	4.28	4.50	5.70	4.68	0.81	2.68	2.93	3.44	2.11	2.59	5.09	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59
715	TOWNSEND	F-3	TVA	1047	12	7.27	4.90	7.62	5.60	4.03	4.77	3.94	4.71	1.41	4.17	4.36	5.04	5.64	4.40	0.69	3.37	4.80	3.02	3.38	2.60	4.07	4.32	2.94	4.00	50.15	51.90	25.7		
634	UTAH	F-3	UT	950	13	6.78	5.19	8.23	4.93	5.08	4.93	5.08	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
651	UNITED STATES GEOLOGICAL SURVEY	F-3	US	92	92	6.39	3.21	8.57	5.03	4.93	5.08	4.93	5.08	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93
655	RITVA	F-2	TVA	10																														

ANNUAL 1962 PRECIPITATION—In Inches

Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs of Record	MONTHS												TOTAL		Depth of Gauge	
						JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Mo.'s		
584	CLINE RIVER ABOVE NORRIS DAM	F-2	TVA	1400	21	6.95	5.48	7.95	2.09	3.92	3.37	4.52	1.86	4.34	5.22	3.21	4.95	2.45	5.47	3.03	19.0
325	TULLEY	F-2	TVA	1290	29	7.02	5.37	5.33	5.00	6.49	4.92	4.32	2.85	4.88	5.22	3.21	4.95	2.45	5.47	3.03	20.7
325A	LAPOLLETTE	F-2	TVA	1130	5	6.89	5.33	5.33	5.00	5.66	4.92	4.32	2.85	4.88	5.22	3.21	4.95	2.45	5.47	3.03	25.0
423	WESTBORNE	F-2	TVA	1400	23	5.64	5.33	4.89	4.81	4.04	3.82	3.38	2.93	3.93	2.77	3.10	2.66	3.13	2.79	3.81	27.9
326	WELL SPRING	F-2	TVA	1060	23	5.03	4.80	4.70	4.80	5.12	4.80	4.80	3.71	4.05	3.65	3.97	3.79	3.68	3.13	3.81	27.9
333	ARTHER	F-2	TVA	1070	27	5.99	5.62	7.90	5.12	5.66	5.41	4.52	3.90	2.82	3.74	2.12	1.16	4.68	2.95	4.47	16.5
334	MIDDLEBORO	F-2	USWB	1128	71	5.36	5.48	6.81	4.78	4.09	4.07	4.44	4.12	3.32	4.70	2.38	2.87	2.29	4.59	3.99	16.3
137	BATES, NEAR R	F-2	USWB	1175	23	5.35	5.05	6.21	4.34	3.86	4.25	4.78	4.33	3.75	2.87	2.38	2.87	2.29	4.59	3.99	16.3
339	JACKSONVILLE NO. 2	F-2	TVA	1375	28	5.71	5.14	7.75	4.85	3.97	3.97	3.64	3.34	2.27	4.23	1.73	2.25	3.34	3.16	4.10	21.7
340	FERRINGTON GAP	F-2	USWB	1386	31	5.55	5.28	7.51	4.88	3.67	3.92	3.54	3.54	2.57	4.60	1.80	2.76	3.80	4.36	4.50	21.7
341	CLINGEN	G-2	TVA	1400	28	5.92	5.21	7.02	4.66	3.60	3.79	3.62	3.34	2.13	4.21	1.73	2.25	3.34	3.16	4.10	21.7
748	BIG STONE GAP	G-2	TVA	1485	7	5.40	4.52	5.11	5.98	3.99	4.36	3.49	4.96	3.77	3.99	3.92	3.92	3.92	3.92	3.92	15.3
344	BIG KNOB R	F-2	TVA	1500	28	5.59	4.96	5.96	4.36	3.99	4.36	3.99	4.36	3.99	4.36	3.99	4.36	3.99	4.36	3.99	21.0
740	MUSE	F-2	TVA	1500	28	5.59	4.96	5.96	4.36	3.99	4.36	3.99	4.36	3.99	4.36	3.99	4.36	3.99	4.36	3.99	21.0
342	DUNBAR, VIRGINIA	G-2	TVA	1950	28	5.53	4.95	4.63	4.40	5.01	5.03	4.70	4.90	5.03	5.03	4.70	4.90	5.03	5.03	4.70	22.0
347	WHITE BOLLION R	F-2	TVA	1500	28	6.87	5.11	8.85	4.83	5.56	4.61	4.89	3.43	1.80	3.69	3.78	3.36	4.81	4.18	4.18	21.0
563	WALCERS FORD	F-2	TVA	1080	22	7.42	5.03	9.64	4.85	5.21	4.88	3.83	3.53	1.20	3.96	3.24	3.92	3.44	3.44	3.44	21.0
354	NEW TAZEWELL, TENN	F-2	USWB	1180	57	5.57	4.99	9.73	4.56	1.60	4.97	3.02	3.70	2.72	3.86	4.40	3.46	5.95	4.27	4.27	21.0
355	TAKEWELL, NEAR, TENN	F-2	TVA	1330	27	6.73	4.62	9.21	4.30	5.94	4.54	3.73	3.43	1.41	3.51	3.96	3.32	3.52	3.78	3.78	21.0
673	TURNER BELL	F-2	TVA	1130	16	6.38	5.13	9.07	5.07	5.09	4.87	3.72	3.43	1.69	2.64	2.65	2.65	3.45	3.45	3.45	21.0
348	CLINGEN	G-2	TVA	1260	66	5.34	4.60	7.65	4.66	4.76	4.07	3.20	3.82	1.83	2.82	2.82	2.82	3.45	3.45	3.45	21.0
349	LANDON	G-2	TVA	2500	28	4.80	4.47	6.92	4.08	4.19	4.62	3.43	3.87	1.09	3.94	2.81	2.81	2.81	3.42	3.42	21.0
351	CLEVELAND, VIRGINIA	G-2	TVA	1940	29	4.35	3.88	5.35	3.73	3.42	4.06	3.40	3.38	1.95	4.97	3.26	3.06	4.41	4.41	4.41	21.0
352	BRANKE, NEAR	G-2	TVA	2200	28	4.30	3.85	4.95	3.68	3.53	4.36	3.46	3.46	1.39	4.97	3.26	3.06	4.41	4.41	4.41	21.0
614	BONAKER R	B-1	TVA	1940	21	4.88	3.69	4.75	3.60	3.15	3.98	2.62	2.99	3.85	3.78	3.73	3.82	3.46	3.46	3.46	21.0
355	SPRING CREEK R	B-1	TVA	2340	14	3.51	3.80	4.05	3.94	3.01	4.60	2.99	3.85	3.43	4.83	3.27	3.27	3.46	3.46	3.46	21.0
356	JEWELL RIDGE	B-1	TVA	1950	28	4.60	3.92	4.55	3.49	3.31	4.27	3.05	3.49	4.62	4.41	4.07	4.07	4.07	4.07	4.07	21.0
357	TAKEWELL, VIRGINIA	B-1	TVA	2750	28	4.18	3.89	4.18	3.64	2.95	3.33	3.85	3.97	4.43	4.43	4.43	4.43	4.43	4.43	4.43	21.0
357	TAKEWELL, VIRGINIA	B-1	TVA	2450	28	3.98	3.83	4.23	3.45	3.00	4.36	3.46	4.30	1.47	3.97	3.11	3.05	3.20	3.20	3.20	21.0
395	STANBERRY PLAINS	F-2	TVA	870	24	7.11	4.61	8.35	5.13	4.91	4.44	3.15	3.46	2.36	3.63	3.89	3.36	4.58	4.58	4.58	21.7
289	JOFA	F-2	TVA	935	28	6.81	5.18	8.70	4.90	5.17	5.01	3.63	4.07	1.59	3.61	4.04	3.40	4.21	4.21	4.21	21.7
459	CHESTER DAM	F-2	TVA	1000	22	5.96	4.68	7.46	4.95	4.11	4.53	3.58	3.31	0.96	3.75	4.12	3.20	4.20	4.20	4.20	21.7
579	JACKSON CITY SWAP STA	F-2	TVA	1170	21	5.91	4.69	7.49	4.92	5.12	4.48	2.96	3.27	1.64	3.93	4.66	3.01	4.51	4.51	4.51	21.7
290	MORRISTOWN, NEAR	F-2	TVA	1125	28	6.66	4.96	7.83	5.01	5.13	4.95	4.20	3.53	0.96	3.55	5.01	3.04	4.22	4.22	4.22	21.7
346	FLAT GAP	F-2	TVA	2000	27	6.17	5.04	8.27	4.74	4.17	4.92	4.31	3.85	0.98	3.70	5.85	3.48	4.82	4.82	4.82	21.7
201	POWERSVILLE	G-2	USWB	1175	78	6.61	4.40	7.77	4.31	5.78	4.60	3.60	3.60	1.49	3.55	4.11	3.18	4.49	4.49	4.49	21.7
347	JOHN SEVIER STEAM PLANT R	G-2	TVA	1100	10	5.82	4.05	7.25	5.01	4.61	4.49	3.56	3.73	1.62	3.45	4.30	3.63	4.37	4.37	4.37	21.7
347	LITTLE WAR GAP	F-2	TVA	1980	28	6.39	4.77	8.66	4.36	5.24	4.90	4.31	3.98	1.37	3.49	4.31	3.40	4.71	4.71	4.71	21.7
316	SEARLEY KNOB R	G-2	TVA	1180	22	5.13	4.13	7.41	4.95	4.92	4.47	3.77	3.30	2.23	3.56	3.88	3.92	4.58	4.58	4.58	21.7
317	BIG KNOB R	G-2	TVA	1190	28	5.13	4.13	7.41	4.95	4.92	4.47	3.77	3.30	2.23	3.56	3.88	3.92	4.58	4.58	4.58	21.7
315	MENDOTA	G-2	TVA	1390	58	4.49	4.48	5.76	4.06	3.66	4.57	2.68	3.66	2.68	3.66	3.66	3.66	3.66	3.66	3.66	21.7
316	BOLESTON	G-2	TVA	2550	28	5.09	3.84	4.78	3.83	3.73	4.17	2.38	3.17	2.73	3.71	4.45	4.65	4.65	4.65	4.65	21.7
318	SALTVILLE	B-2	USWB	1125	22	4.80	3.69	5.03	3.68	3.55	4.27	2.90	3.19	2.45	4.18	4.86	3.80	4.86	4.86	4.86	21.7
320	BURKES GARDEN	B-1	USWB	3075	67	3.77	3.90	4.22	3.62	3.04	4.41	2.75	3.48	3.64	3.94	2.79	4.07	4.07	4.07	4.07	21.7
293	KINGSFORD	G-2	USWB	1270	41	5.46	3.77	6.58	5.49	3.49	3.75	4.09	4.09	2.18	3.53	3.68	3.29	4.13	4.13	4.13	21.7
707	BOONE DAM	G-2	TVA	1334	12	5.24	3.75	5.46	4.13	3.24	4.33	3.83	3.16	1.70	3.32	2.92	3.59	5.86	4.21	4.21	21.7
316	BRISTOL AIRPORT, TENN R	G-2	USWB	1345	25	5.15	3.69	5.38	3.56	3.36	3.98	3.60	3.36	1.69	3.45	3.35	3.38	3.27	3.27	3.27	21.7
685A	NORTH BRISTOL SUBSTA	G-3	TVA	1740	15	5.29	4.13	5.88	4.37	3.95	4.40	3.54	3.50	2.05	4.23	3.19	3.48	4.72	4.72	4.72	21.7
405	BRISTOL	G-2	USWB	1900	30	6.44	4.59	7.35	4.40	4.41	4.76	3.26	3.74	3.44	4.45	5.01	4.24	5.01	5.01	5.01	21.7
698	BRISTOL, NEAR	G-2	TVA	1920	14	4.89	4.33	8.27	4.51	4.93	4.06	2.91	3.64	1.72	3.81	5.93	3.64	4.50	4.50	4.50	21.7
307	WALLACE, NEAR	G-2	TVA	1895	27	4.67	4.25	6.16	3.64	3.55	4.06	3.44	3.44	1.06	3.95	5.10	2.68	3.44	3.44	3.44	21.7
306	BLUFF CITY	G-2	TVA	1940	66	5.40	4.28	5.66	3.85	3.58	4.30	3.82	3.43	1.97	3.77	4.44	4.68	4.68	4.68	4.68	21.7
297	SOUTH BRISTOL DAM	G-2	TVA	1920	17	5.82	4.21	6.48	3.85	3.47	4.17	3.82	3.43	1.97	3.77	4.44	4.68	4.68	4.68	4.68	21.7
308	CRANFILL	B-2	TVA	2905	28	6.46	4.80	5.86	4.28	4.44	4.66	3.52	4.14	2.83	4.92	5.79	4.32	5.79	5.79	5.79	21.7
604	ATKINSON R	B-2	TVA	2000	21	4.71	4.20	6.13	3.88	3.45	4.30	3.37	3.46	3.17	4.18	4.18	4.18	4.18	4.18	4.18	21.7
312A	MARION EVAR STA	B-2	TVA	2235	3	5.07	3.64	5.11	3.22	3.60	4.14	3.67	3.46	3.27	3.75	4.16	4.16	4.16	4.16	4.16	21.7
312	MARION	B-2	TVA	2200	56	4.70	3.59	5.45	3.13	3.13	3.79	3.30	3.05	5.05	4.01	4.02	3.87	6.85	4.76	4.76	21.7
613	GREENGLASS R	B-2	TVA	2710	20	3.95	3.60	4.33	3.21	2.90	3.71	2.34	3.45	3.66	4.17	4.17	4.17	4.17	4.17	4.17	21.7
313	ATKINSON R	B-2	TVA	2990	13	4.46	3.37	4.60	3.15	3.31	4.04	2.26	3.49	4.71	4.01	5.03	3.33	6.20	5.28	5.28	21.7
313	ATKINSON R	B-2	USWB	2400	87	2.86	2.79	3.39	2.71	2.69	3.38	1.98	2.91	4.91	3.61	3.61	3.61	3.61	3.61	3.61	21.7
309	DAMASCUS	B-2	USWB	1950	36	3.75	3.59	3.91													

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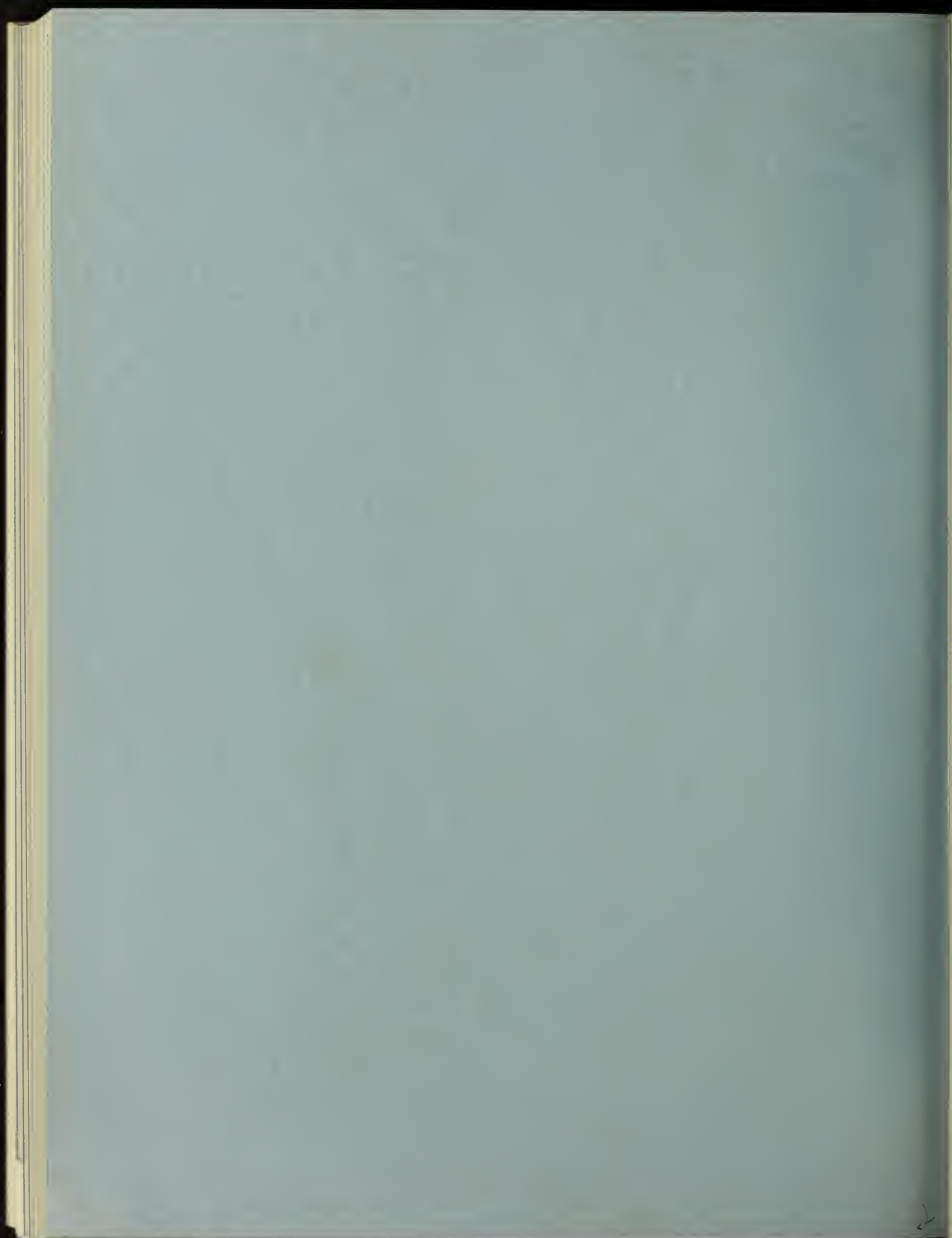
Sta. No.	Station Name and Location	Elev.	Yrs of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		Y E A R		Date of Snow (Inches)	
				Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1	Total	Total No.'1		Total
LITTLE TENNESSEE RIVER ABOVE FONTANA DAM (CONT'D)																															
600	WALLACE GAP, RADIO	3400	21	9.2	5.6	5.9	8.3	4.8	5.1	7.0	6.6	0.8	4.2	5.5	5.0	4.2	4.9	2.8	4.9	2.5	3.4	2.1	3.7	6.2	4.4	3.0	6.0	51.9	61.4		
194	NICHOLS	4500	28	7.61	2.11	8.10	2.69	2.59	2.71	2.27	4.29	1.04	3.75	7.02	4.22	3.82	2.43	3.41	3.78	6.23	2.75	2.46	2.56	4.30	3.61	3.14	4.52	54.76	51.52		
195	RAVEN MOUNTAIN R.	4500	28	7.61	2.11	8.10	2.69	2.59	2.71	2.27	4.29	1.04	3.75	7.02	4.22	3.82	2.43	3.41	3.78	6.23	2.75	2.46	2.56	4.30	3.61	3.14	4.52	54.76	51.52		
196	FRANKLIN FORKHOUSE	2000	29	5.64	4.97	5.10	4.84	5.70	5.39	4.94	4.14	1.89	3.50	5.91	4.22	1.59	5.24	4.22	4.35	4.79	3.22	1.63	2.69	2.69	3.82	2.81	4.33	50.31	50.31		
197	FRANKLIN FORKHOUSE	2100	29	5.64	4.97	5.10	4.84	5.70	5.39	4.94	4.14	1.89	3.50	5.91	4.22	1.59	5.24	4.22	4.35	4.79	3.22	1.63	2.69	2.69	3.82	2.81	4.33	50.31	50.31		
198	FRANKLIN FORKHOUSE	2200	29	5.64	4.97	5.10	4.84	5.70	5.39	4.94	4.14	1.89	3.50	5.91	4.22	1.59	5.24	4.22	4.35	4.79	3.22	1.63	2.69	2.69	3.82	2.81	4.33	50.31	50.31		
199	WATTA BALD R.	3350	28	10.43	7.87	8.93	7.26	6.08	7.27	7.01	5.63	3.01	4.61	7.48	4.79	3.41	6.59	3.41	4.77	5.10	4.14	2.39	3.77	6.47	4.98	3.74	6.36	68.04	68.04		
200	WATTA BALD R.	3450	28	10.43	7.87	8.93	7.26	6.08	7.27	7.01	5.63	3.01	4.61	7.48	4.79	3.41	6.59	3.41	4.77	5.10	4.14	2.39	3.77	6.47	4.98	3.74	6.36	68.04	68.04		
201	WATTA BALD R.	3550	28	10.43	7.87	8.93	7.26	6.08	7.27	7.01	5.63	3.01	4.61	7.48	4.79	3.41	6.59	3.41	4.77	5.10	4.14	2.39	3.77	6.47	4.98	3.74	6.36	68.04	68.04		
202	WATTA BALD R.	3650	27	13.14	9.26	8.32	9.60	46.97	10.01	10.48	7.79	3.30	6.89	11.50	6.42	6.89	5.87	6.89	5.87	6.89	5.87	6.89	5.87	6.89	5.87	6.89	5.87	6.89	5.87	6.89	
203	CONCELA NO. 21	2000	28	9.48	6.84	7.22	7.20	45.78	7.61	48.95	6.13	2.18	4.11	7.10	5.22	2.20	3.36	3.58	5.41	4.75	4.59	4.79	3.96	4.75	4.59	4.79	3.96	4.75	4.59	4.79	
204	CONCELA NO. 20	2000	28	9.48	6.84	7.22	7.20	45.78	7.61	48.95	6.13	2.18	4.11	7.10	5.22	2.20	3.36	3.58	5.41	4.75	4.59	4.79	3.96	4.75	4.59	4.79	3.96	4.75	4.59	4.79	
205	CONCELA NO. 19	2000	28	9.48	6.84	7.22	7.20	45.78	7.61	48.95	6.13	2.18	4.11	7.10	5.22	2.20	3.36	3.58	5.41	4.75	4.59	4.79	3.96	4.75	4.59	4.79	3.96	4.75	4.59	4.79	
206	CONCELA NO. 18	2000	28	9.48	6.84	7.22	7.20	45.78	7.61	48.95	6.13	2.18	4.11	7.10	5.22	2.20	3.36	3.58	5.41	4.75	4.59	4.79	3.96	4.75	4.59	4.79	3.96	4.75	4.59	4.79	
ESTABLISHED NOVEMBER 1, 1962																															
642	SEVENHILLS	900	44	6.28	5.67	7.99	4.73	4.46	4.44	3.62	3.78	1.84	3.79	4.41	4.25	4.41	5.42	4.02	4.02	5.12	2.63	2.76	2.96	2.31	3.92	3.82	4.01	48.14	48.80	19.4	
643	SEVENHILLS	930	7	5.96	4.47	7.02	5.40	4.12	3.79	2.48	4.12	1.95	3.41	4.54	4.08	4.15	4.60	4.08	4.08	4.24	2.64	2.53	3.48	2.81	3.68	4.43	4.84	46.27	46.96	28.4	
644	JONES CREEK	1160	6	5.47	3.43	5.86	4.17	4.18	3.40	3.05	4.11	3.25	3.72	8.10	6.08	4.88	4.94	1.07	3.64	4.35	3.62	42.98	3.48	3.46	4.07	2.22	4.10	44.87	48.66	16.5	
396	PITMAN CENTER R.	1310	10	5.43	2.99	6.09	3.95	2.96	3.45	3.14	3.42	1.45	3.00	8.57	7.73	4.61	4.98	1.08	5.43	3.15	3.74	3.01	2.81	3.40	3.94	3.77	46.42	46.07	22.0		
434	PITMAN CENTER R.	1430	10	5.43	2.99	6.09	3.95	2.96	3.45	3.14	3.42	1.45	3.00	8.57	7.73	4.61	4.98	1.08	5.43	3.15	3.74	3.01	2.81	3.40	3.94	3.77	46.42	46.07	22.0		
210	DANIELS DAM	1360	37	7.59	5.15	6.33	4.21	4.53	5.49	3.45	4.61	2.02	4.24	6.76	5.14	7.32	6.47	2.80	5.20	3.87	3.02	3.31	2.94	5.34	3.69	3.23	4.16	39.91	55.17	16.5	
211	DANIELS DAM	1360	37	7.59	5.15	6.33	4.21	4.53	5.49	3.45	4.61	2.02	4.24	6.76	5.14	7.32	6.47	2.80	5.20	3.87	3.02	3.31	2.94	5.34	3.69	3.23	4.16	39.91	55.17	16.5	
212	WHITE PINE	1165	28	2.05	4.24	7.02	4.18	4.56	4.23	2.67	3.44	1.37	3.14	4.89	3.44	6.44	4.47	1.77	3.62	5.14	2.64	6.33	2.17	2.82	3.05	3.47	46.08	44.61	21.3		
213	BULLS GAP	1165	28	2.05	4.24	7.02	4.18	4.56	4.23	2.67	3.44	1.37	3.14	4.89	3.44	6.44	4.47	1.77	3.62	5.14	2.64	6.33	2.17	2.82	3.05	3.47	46.08	44.61	21.3		
214	LICK CREEK R.	1180	27	5.62	3.94	6.59	3.77	3.98	3.94	1.01	2.68	1.97	3.21	5.34	3.94	4.49	4.51	2.03	3.50	4.65	2.63	2.07	2.80	2.99	3.36	3.33	3.73	47.84	39.70	14.4	
215	JACKSONSON	1465	28	4.80	4.44	6.62	4.24	4.04	4.70	2.72	3.44	4.34	3.53	6.75	3.71	4.09	5.00	2.60	3.87	4.53	2.55	2.05	2.32	3.11	3.18	3.35	3.67	49.50	44.61	14.0	
651	GREENVILLE, NEAR	1390	22	6.26	3.33	6.51	3.56	4.22	4.14	2.93	3.07	0.66	3.43	5.17	3.55	4.46	4.81	1.97	3.34	4.24	3.06	2.25	2.40	3.04	2.72	2.95	2.94	44.72	40.29	18.5	
475	GREENVILLE, NEAR	1390	30	6.26	3.33	6.51	3.56	4.22	4.14	2.93	3.07	0.66	3.43	5.17	3.55	4.46	4.81	1.97	3.34	4.24	3.06	2.25	2.40	3.04	2.72	2.95	2.94	44.72	40.29	18.5	
219	CRITCHFIELD	1420	28	5.58	3.83	5.47	3.69	3.29	3.64	4.64	3.43	1.41	2.01	4.71	3.73	4.82	4.69	1.68	1.27	3.41	4.63	2.18	2.97	2.66	3.12	3.60	4.03	51.30	47.94	26.2	
220	CRITCHFIELD	1420	28	5.58	3.83	5.47	3.69	3.29	3.64	4.64	3.43	1.41	2.01	4.71	3.73	4.82	4.69	1.68	1.27	3.41	4.63	2.18	2.97	2.66	3.12	3.60	4.03	51.30	47.94	26.2	
221	ERWIN	1790	35	5.62	3.87	5.43	4.05	4.23	4.78	3.14	3.75	1.63	4.03	5.69	4.09	8.86	6.22	1.57	4.15	3.80	3.31	3.37	2.91	3.98	2.96	4.87	3.86	48.85	46.36	34.4	
753	UNION	2025	6	6.95	4.86	5.67	5.18	4.51	3.76	3.53	4.49	4.82	4.81	6.27	4.61	7.24	5.63	1.86	5.26	4.45	3.58	3.41	3.20	4.71	3.40	4.15	47.67	47.07	94.0		
690	FLAT TOP MOUNTAIN	2590	17	5.29	3.40	5.25	4.25	4.34	4.34	3.74	4.09	3.16	4.01	6.36	4.40	4.81	5.10	3.87	4.58	4.24	3.20	1.69	2.55	4.49	3.61	2.80	3.01	50.79	47.77	39.0	
223	BEATTY SPOT R.	4210	24	6.79	4.49	5.67	4.24	3.81	4.59	3.05	4.13	3.34	3.93	6.92	4.19	6.26	4.70	2.67	6.18	2.70	4.43	3.46	2.84	4.81	3.44	2.04	3.07	54.20	40.65	68.9	
226	CANE RIVER	2940	28	5.71	3.84	6.57	4.02	5.16	4.59	2.74	3.42	2.30	3.42	44.78	3.37	6.35	4.68	2.32	3.90	2.42	3.11	1.56	2.37	2.50	2.76	2.63	2.90	47.57	42.08	45.1	
227	MCLENNAN GAP	3590	28	8.45	5.55	7.64	6.48	4.86	4.46	2.12	3.59	3.69	3.93	5.93	3.95	4.92	5.07	3.58	3.66	3.66	2.71	3.30	2.37	3.60	4.41	4.99	4.69	51.87	42.17	77.6	
228	COCOMO MOUNTAIN R.	5585	9	6.16	4.90	6.34	6.87	5.86	5.79	5.09	6.27	3.82	5.89	10.20	6.66	3.93	5.69	10.25	6.91	3.86	5.72	5.45	5.92	6.58	4.34	2.76	2.63	2.90	47.57	42.08	45.1
113	SWANSON PEAK	6130	28	7.37	2.99	6.51	3.44	3.63	4.07	3.17	4.21	1.84	3.29	5.18	3.16	3.16	4.32	3.42	3.79	2.90	3.30	1.88	2.43	3.48	2.62	2.43	2.67	35.94	39.69	28.0	
230	ROAN HIGH KNIE R.	6130	28	7.37	2.99	6.51	3.44	3.63	4.07	3.17	4.21	1.84	3.29	5.18	3.16	3.16	4.32	3.42	3.79	2.90	3.30	1.88	2.43	3.48	2.62	2.43	2.67	35.94	39.69	28.0	
231	SWANSON PEAK	6130	28	7.37	2.99	6.51	3.44	3.63	4.07	3.17	4.21	1.84	3.29	5.18	3.16	3.16	4.32	3.42	3.79	2.90	3.30	1.88	2.43	3.48	2.62	2.43	2.67	35.94	39.69	28.0	
232	SWANSON PEAK	6130	28	7.37	2.99	6.51	3.44	3.63	4.07	3.17	4.21	1.84	3.29	5.18	3.16	3.16	4.32	3.42	3.79	2.90	3.30	1.88	2.43	3.48	2.62	2.43	2.67	35.94	39.69	28.0	
233	SWANSON PEAK	6130	28	7.37	2.99	6.51	3.44	3.63	4.07	3.17	4.21	1.84	3.29	5.18	3.16	3.16	4.32	3.42	3.79	2.90	3.30	1.88	2.43	3.48	2.62	2.43	2.67	35.94	39.69	28.0	
234	SWANSON PEAK	6130	28	7.37	2.99	6.51	3.44	3.63	4.07	3.17	4.21	1.84	3.29	5.18	3.16	3.16	4.32	3.42	3.79	2.90	3.30	1.88	2.43	3.48	2.62	2.43	2.67	35.94	39.69	28.0	
235	SWANSON PEAK	6130	28	7.37	2.99	6.51	3.44	3.63	4.07	3.17	4.21	1.84	3.29	5.18	3.16	3.16	4.32	3.42	3.79												

ANNUAL 1962 PRECIPITATION—In Inches

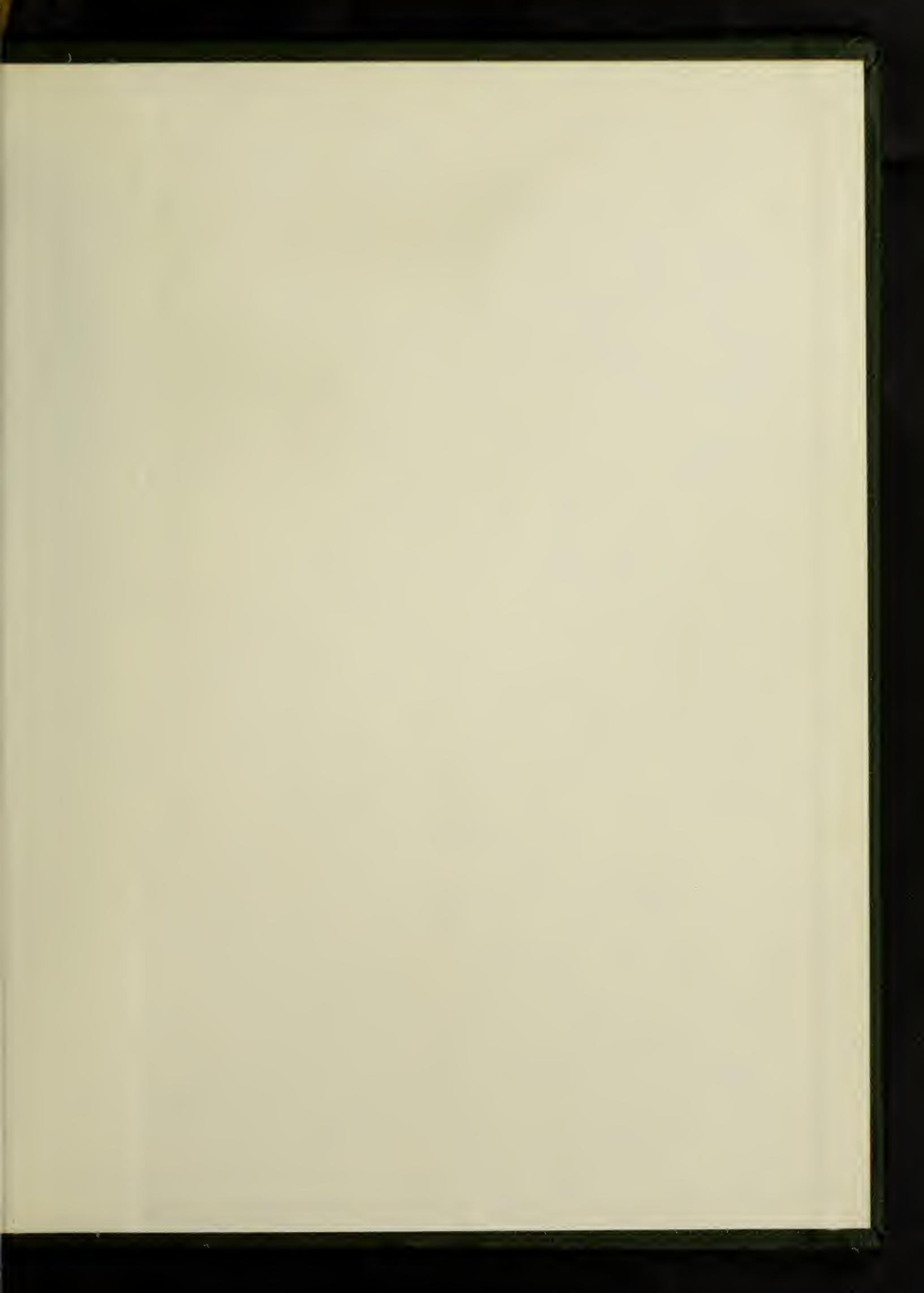
Sta. No.	Station Name and Location	Index	Owner	Elev.	Yrs of Record	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	Total	Yrs. of Record										
						Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total											
FRENCH CREEK (CONT'D)																													
107	CADDOGUEE RANCH	F-3	TVA	4800	24	45.00	6.44	7.94	6.31	1.88	4.56	8.70	5.07	8.74	6.84	6.36	4.98	4.21	3.97	2.70	3.28	5.00	4.30	3.76	5.34	#2.54	63.99		
247	WAGNETVILLE	F-3	USWB	2870	69	5.62	4.65	6.03	4.32	4.77	3.51	3.88	3.41	3.87	5.01	1.60	4.02	4.12	4.62	2.74	2.33	2.86	3.43	2.56	3.59	4.62	54.72		
248	EAGLEST MOUNTAIN	F-3	TVA	2880	28	6.79	6.15	7.55	6.05	4.91	4.60	4.76	4.12	4.25	4.87	2.40	3.19	2.80	4.12	2.33	2.78	3.46	3.43	2.95	4.98	54.02	54.15		
250	CHAMBERS MOUNTAIN R	G-3	TVA	4300	28	4.46	3.24	4.58	2.93	4.14	3.35	4.70	2.97	5.72	4.93	2.01	3.66	3.19	2.73	2.60	2.82	2.99	2.88	1.89	2.84	4.14	37.49		
251A	CANTON	G-3	CPALCO	2700	6	4.96	3.35	4.58	4.02	4.31	3.40	3.92	4.36	3.91	3.81	5.69	4.29	2.49	3.87	2.61	2.62	2.99	2.99	1.89	2.84	4.14	37.49		
251	CANTON	G-3	CPALCO	2600	32	4.39	3.46	4.48	3.53	4.56	3.30	3.80	3.00	5.62	3.13	5.94	4.70	2.23	4.40	2.83	2.61	2.97	2.35	1.80	3.50	4.03	43.31		
253	DIX CREEK	G-3	TVA	3260	28	5.53	4.70	6.17	4.40	4.85	5.28	4.65	3.26	3.18	4.45	3.80	3.10	3.88	3.79	2.90	3.74	4.22	3.36	1.92	3.54	4.03	43.31		
254	Mt. Pisgah R	G-3	TVA	5160	28	5.70	4.82	6.14	4.48	4.21	5.44	4.97	4.89	3.18	4.84	3.59	3.59	3.59	3.59	3.74	2.90	4.22	3.36	1.92	3.54	4.03	43.31		
659	BIG EAST FORK PIGEON	G-3	TVA	3410	20	9.24	6.65	8.17	6.49	4.84	8.55	8.01	6.48	3.68	5.56	3.68	5.56	3.68	5.56	3.68	5.56	3.68	5.56	3.68	5.56	3.68	5.56	15.3	
680A	BIG EAST FORK RADIO	G-3	TVA	3100	16	8.0	4.8	6.2	7.2	5.1	6.6	6.1	7.0	4.4	4.9	7.5	4.6	2.2	3.6	4.1	5.0	6.7	5.0	4.2	2.6	4.9	5.0	61.1	
742	SUNBURY RADIO	G-3	CPALCO	3100	7	8.0	4.8	6.2	7.2	5.1	6.6	6.1	7.0	4.4	4.9	7.5	4.6	2.2	3.6	4.1	5.0	6.7	5.0	4.2	2.6	4.9	5.0	61.1	
275	KOLF CREEK	G-3	TVA	1200	28	5.28	3.78	6.03	3.82	3.49	4.42	3.20	3.23	3.75	4.13	3.62	3.95	3.62	3.95	3.62	3.95	3.62	3.95	3.62	3.95	3.62	3.95	21.9	
276	BOX SPRINGS	G-3	USWB	1335	57	6.08	4.13	5.89	3.69	3.78	4.23	3.91	3.69	3.73	3.37	3.83	4.39	3.69	3.73	3.37	3.83	4.39	3.69	3.73	3.37	3.83	4.39	21.9	
276A	BOX SPRINGS	G-3	USWB	1335	57	6.08	4.13	5.89	3.69	3.78	4.23	3.91	3.69	3.73	3.37	3.83	4.39	3.69	3.73	3.37	3.83	4.39	3.69	3.73	3.37	3.83	4.39	21.9	
277	WAT PATE MOUNTAIN R	G-3	TVA	4295	28	7.69	4.46	6.16	4.05	3.42	5.02	4.45	3.69	2.44	4.38	4.28	5.03	2.19	5.31	4.19	3.19	2.48	3.72	2.64	1.72	2.25	43.67		
719	MAULE SPRING GAP	G-3	TVA	3790	11	4.93	3.65	6.25	4.97	4.24	4.43	3.78	4.67	1.78	3.73	5.82	4.65	3.00	3.33	4.25	2.83	3.41	3.01	2.73	3.39	4.03	43.67		
281	DOUGLASS GAP	G-3	TVA	3490	28	5.81	4.16	6.06	3.98	4.65	4.42	2.97	3.80	0.56	3.66	6.92	4.47	5.35	6.03	3.41	3.27	3.41	3.01	2.73	3.39	4.03	43.67		
282	COIT STORE	G-3	TVA	2950	28	6.22	4.05	5.19	3.79	3.48	3.45	2.29	3.55	5.17	4.33	5.35	5.62	2.25	4.17	3.38	3.25	2.19	2.45	4.56	2.94	4.03	43.67		
672	SAMS GAP, RADIO	G-3	TVA	3760	15	6.6	4.6	6.2	5.3	4.2	4.8	4.0	4.7	1.5	3.6	5.9	4.6	6.3	5.3	2.5	4.4	3.1	2.5	2.8	3.5	4.1	54.2		
283	IVT	G-3	USWB	1950	64	5.06	3.22	6.19	3.29	4.00	3.84	3.60	3.18	3.36	2.98	4.62	3.64	6.71	4.72	2.25	3.56	3.57	2.52	2.02	2.19	2.77	43.67		
284	BARNARDVILLE	G-3	TVA	2550	28	4.92	3.45	4.88	3.59	3.36	4.05	3.20	3.18	3.72	3.82	4.97	3.83	4.71	4.11	3.09	3.53	3.22	2.54	2.03	2.22	2.14	38.78		
285	HEAVENLY	G-3	TVA	2220	17	5.03	3.03	4.01	3.29	4.01	3.29	4.01	3.29	4.01	3.29	4.01	3.29	4.01	3.29	4.01	3.29	4.01	3.29	4.01	3.29	4.01	3.29	28.5	
286	HEAVENLY	G-3	TVA	2170	28	4.61	3.23	4.62	3.04	3.54	3.94	4.19	3.15	1.16	3.01	4.62	3.78	4.14	4.87	1.36	4.14	3.21	2.64	2.89	2.33	3.59	2.56	28.5	
287	ASHVILLE R	G-3	USWB	2971	87	4.65	3.57	5.08	3.04	3.53	3.71	3.25	3.17	2.81	2.87	6.20	3.92	3.24	4.31	3.47	3.63	2.40	2.78	2.40	2.49	1.66	2.22	28.5	
288	BESTREE DAM	G-3	TVA	2540	15	4.21	3.55	3.78	3.29	3.63	4.44	4.46	4.82	2.32	3.22	5.72	3.73	3.60	4.95	5.18	4.93	3.03	3.61	2.20	2.54	1.36	2.61	28.5	
289	CHARTER KNOB R	G-3	TVA	4270	12	5.74	4.00	5.16	4.77	4.78	5.18	5.05	4.94	3.88	4.08	7.03	5.11	5.03	4.72	4.28	4.89	3.75	4.25	3.14	3.42	2.19	2.77	28.5	
290	CHARTER KNOB R	G-3	USWB	2920	20	5.74	4.00	5.16	4.77	4.78	5.18	5.05	4.94	3.88	4.08	7.03	5.11	5.03	4.72	4.28	4.89	3.75	4.25	3.14	3.42	2.19	2.77	28.5	
291A	NORTH FORK R	G-3	TVA	2765	37	5.62	4.60	5.82	4.76	5.35	5.59	6.92	4.59	3.10	3.78	6.57	4.60	4.40	6.03	3.03	4.68	3.23	3.61	4.94	3.52	2.43	2.86	47.58	
292	BLACK MOUNTAIN	G-3	USWB	2400	13	3.79	3.64	4.34	4.25	5.17	4.81	2.88	4.18	0.97	3.27	4.04	4.47	3.29	3.52	7.91	4.74	2.51	4.52	2.50	3.17	51.42	47.58		
293	BLACK MOUNTAIN	G-3	USWB	2950	52	4.94	3.19	3.48	3.11	3.49	3.91	4.25	3.91	3.21	6.53	4.42	5.71	4.59	1.85	4.09	3.41	2.81	3.04	2.70	3.16	2.44	3.17	39.99	
294	ROCKFACE MOUNTAIN	G-3	TVA	3100	28	4.65	3.51	5.01	3.42	4.10	4.11	4.37	3.23	2.77	3.04	3.88	5.40	1.86	4.17	2.90	3.06	3.37	2.43	3.02	2.92	3.37	2.91	28.5	
295	BENT CREEK	G-3	USWB	2110	29	5.42	4.01	5.90	3.64	5.00	4.51	3.47	3.89	2.99	4.01	3.88	5.49	5.40	1.86	4.17	2.90	3.06	3.37	2.43	3.02	2.92	3.37	2.91	28.5
296	ROCKFACE MOUNTAIN	G-3	TVA	2960	28	4.48	4.03	3.32	3.83	3.19	3.50	3.94	3.68	5.99	2.04	4.31	5.84	1.11	5.43	3.88	2.92	3.37	2.43	3.02	2.92	3.37	2.91	28.5	
297	GARDEN CREEK	G-3	TVA	2820	27	5.11	4.77	3.42	4.56	4.36	4.38	4.71	5.16	4.12	4.94	4.07	7.71	3.18	3.74	4.81	3.51	3.58	3.56	3.56	3.56	3.56	3.56	18.5	
298	BLUE RIDGE POST OFFICE	G-3	TVA	2270	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299	HENDERSONVILLE	G-3	USWB	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299A	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299B	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299C	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299D	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299E	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299F	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299G	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299H	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299I	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299J	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76	3.85	4.58	6.01	5.18	4.32	4.54	1.33	4.15	4.82	3.47	6.16	2.20	5.52	2.98	4.04	5.34	3.75	5.04	3.60	3.60	18.5	
299K	HENDERSONVILLE	G-3	TVA	2153	66	5.49	4.76																						

Figures in the "mean or normal" column in the accompanying tabulation are determined as follows: For the U. S. Weather Bureau stations, the figures are normals based on the 30-year period 1931-1960, computed by the Weather Bureau. For TWA and other agency stations with 15 or more years of record through 1959, the figures are long-term means adjusted to the 25-year period 1935-1959. For stations with 5 to 15 years of record in 1959, the figures are running averages for the period of record. No means are listed for records of less than 5 complete years.









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